U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-284 375

Who's Who IV in the Interagency Energy/Environment R and D Program

Automation Industries, Inc, Silver Spring, Md Vitro Labs Div

Prepared for

Environmental Protection Agency, Washington, D C Office of Energy, Minerals, and Industry

Jun 78

United States
Environmental Protection
Agency

Washington DC 20460

EPA 600/9-78-002
June 1978

Research & Development

PB 284 375

EPA

Decision Series

JUL 18 1978

Who's Who in the Interagency Energy/Environment R&D Program

REPRODUCED BY
NATIONAL TECHNICAL
INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

TECHNICAL REPORT DATA

Please read Instructions on the reverse before completing

1. REPORT NO. EPA-600/9-78-002	3. RECIPIENT'S ACCESSION NO. PB284375
4. TITLE AND SUBTITLE: Who's Who IV in the Interagency Energy/Environment R & D Program	5. REPORT DATE: January 1978 issuing date
	6. PERFORMING ORGANIZATION CODE
7. AUTHOR(S): H. O. Holte	8. PERFORMING ORGANIZATION REPORT NO.
9. PERFORMING ORGANIZATION NAME AND ADDRESS: Automation Industries, Inc. Vitro Laboratories Division 14000 Georgia Ave., Silver Spring, MD	10. PROGRAM ELEMENT NO. 1NE 626
	11. CONTRACT/GRANT NO. EPA-68-01-2934
12. SPONSORING AGENCY NAME AND ADDRESS: Office of Energy, Minerals, and Industry Office of Research and Development U. S. Environmental Protection Agency Washington, D.C. 20460	13. TYPE OF REPORT AND PERIOD COVERED
	14. SPONSORING AGENCY CODE EPA/600/17

15. SUPPLEMENTARY NOTES: This project is part of the EPA-planned and coordinated Federal Interagency Energy/Environment R&D Program. Project Officer: R. M. Laska, 8-755-4857 Washington, DC

16. ABSTRACT

This publication documents major organizational aspects/functions of the Interagency Energy/Environment Program and associated points of contact.

17. KEY WORDS AND DOCUMENT ANALYSIS (Circle One or More)

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Energy Conversion, Physical Chemistry, Materials Handling, Inorganic Chemistry, Organic Chemistry, Chemical Engineering		6F 8A 8F 8H 10A 10B 7B 7C 13B 97A-11 48A-11

18. DISTRIBUTION STATEMENT

19. SECURITY CLASS (This Report): Unclassified	21. NO. OF PAGES: 38
20. SECURITY CLASS (This page): Unclassified	22. PRICE: MF A01 PC A03

Who's Who IV
in the
Interagency Energy/Environment R&D Program

United States Environmental Protection Agency
Office of Research and Development
Office of Energy, Minerals and Industry

June 1978

1A

CONTENTS

	Page
How to Use Who's Who IV	1
Health and Environment Effects	
Characterization, Measurement, and Monitoring	2
Environmental Transport Processes	4
Health Effects	5
Ecological Effects	6
Integrated Assessment	9
Environmental Control Technologies	
Energy Resource Extraction	10
Physical/Chemical Coal Cleaning	11
Flue Gas Cleaning	11
Conventional Combustion	12
Direct Combustion	12
Synthetic Fuels	12
Nuclear Waste	13
Thermal Waste Control	13
Improved Efficiency	13
Advanced Systems	13
Other Sources of Energy/Environment R&D Information	14
White House Offices, Senate Committees	14
House Committees, Joint Committees	15
Department of Defense	16
Research Information Systems, Publications Services, Quality Assurance	17
Energy Efficiency, Oil Spills, Health and Urban Environment, Alternative Energy Sources	18
Regional Programs, Internation Programs, Industrial Planning and Regulation	19
Program Planning and Development	20
Interagency Program Directory and Index	21

IN CONTEXT . . .

Research is the seeking of knowledge about something which is, at least in part, unknown. We must first resolve this unknown, and then communicate our findings to policymakers, research managers, and the interested public. One of the best ways of communicating information is by developing personal links among the individuals involved.

EPA is publishing its fourth edition of the interagency directory, *"Who's Who IV in the Interagency Energy/Environment R&D Program"* to help forge such personal links. This latest edition has been expanded to include some of the many individuals and organizations outside of the Interagency Program who are involved in related work. It is our hope that the dialogue stimulated by this and other Interagency Program documents will contribute to effective information exchange and will shed light on some of the salient environmental issues involved in energy research and development decisionmaking.

Inaugurated in late 1974, the Federal Interagency Energy/Environment Research and Development Program brings together the coordinated efforts of more than a dozen Federal agencies and departments. The program, which has invested approximately $430 million to date, is planned and coordinated by the Office of Energy, Minerals and Industry within EPA's Office of Research and Development.

The information contained in this volume has been updated and verified as of April 15, 1978. We want to continue to make this document as useful as possible. Your suggestions are welcomed.

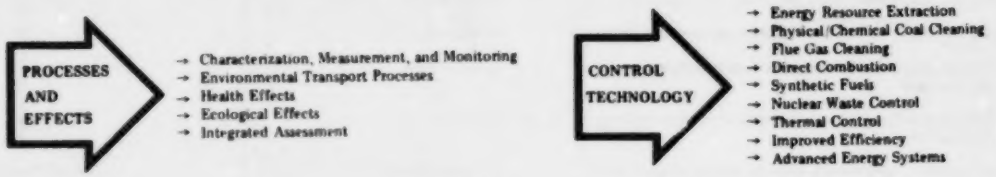
Richard M. Laska
Decision Series Editor

DISCLAIMER

This report has been reviewed by the Office of Energy, Minerals, and Industry, U.S. Environmental Protection Agency, and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. environmental Protection Agency, nor does mention of trade names or commercial products constitute endorsement or recommendation for use.

HOW TO USE WHO'S WHO IV

This directory provides a means of access to information on specific projects currently underway within the Interagency Program. The directory generally follows the same category and project sequence as the *Federal Interagency Energy/Environment Research and Development Program–Status Report III.* The 14 major categories are shown here.



Under each category, the project areas are listed by descriptive title. The list includes research conducted by EPA as well as that conducted by other agencies.

After each project title three names appear:

- **Project Contact** – The individual or individuals responsible for implementing the project and/or having cognizance of its technical scope and status.
- **EPA Coordinator** – The individual in EPA's Office of Energy, Minerals and Industry responsible for coordination of project activity in this and related areas.
- **Agency Coordinator** – The policy-level individual, within the performing agency, who has overall supervisory responsibility for the projects.

The following Federal agency abbreviations are used throughout this directory:

DOE	– Department of Energy
EPA	– Environmental Protection Agency
HEW	– Department of Health, Education and Welfare
NIEHS	– National Institute of Environmental Health Sciences
NIOSH	– National Institute of Occupational Safety and Health
HUD	– Department of Housing and Urban Development
NASA	– National Aeronautics and Space Administration
TVA	– Tennessee Valley Authority
USDA	– U.S. Department of Agriculture
ARS	– Agricultural Research Service
ESCS	– Economics, Statistics and Cooperative Service
FS	– Forest Service
SCS	– Soil Conservation Service
SEA/CR	– Science and Education Administration/Cooperative Research
USDC	– U.S. Department of Commerce
NBS	– National Bureau of Standards
NOAA	– National Oceanic and Atmospheric Administration
OEA	– Office of Environmental Affairs
USDI	– U.S. Department of Interior
BOM	– Bureau of Mines
FWS	– Fish and Wildlife Service
USGS	– United States Geological Survey

An alphabetical listing of all the project contacts, EPA coordinators, agency coordinators, and other information sources follows the listing of projects and additional sources. Included in this listing are mailing addresses and telephone numbers.

WHO'S WHO IN THE INTERAGENCY ENERGY/ENVIRONMENT R&D PROGRAM

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
CHARACTERIZATION, MEASUREMENT, AND MONITORING			
• Western energy/environment monitoring study			
– Western regional air and water monitoring and data analysis	D. NcNelis	G. D'Alessio	S. Reznek (EPA)
– Northern Great Plains energy/air quality baseline information	T. Thoem		
– Western air monitoring quality assurance support	S. Bromberg		
– Western water monitoring quality assurance support	D. Ballinger		
– Western groundwater monitoring and techniques development	L. McMillion		
– Western overhead surface monitoring and techniques development	R. Landers		
– Atmospheric and meteorological studies of pollutants from energy production in the western United States	R. Pueschel (NOAA)		W.N. Hess (NOAA)
– Meteorological interpretation and prediction of air quality related to energy activities in the western United States	L. Machta (NOAA)		
– Energy-related surface and groundwater monitoring studies/western region	H. Hudson (USGS)		G. Davis (USGS)
– Technical support for western energy-related environmental assessment/overhead monitoring method development	M. Calabrese (NASA)		P. Thome (NASA)
• Eastern energy-related environmental assessment			
• Energy-related radiological monitoring and techniques development	E. Bretthauer		S. Reznek (EPA)
• Energy-related radiological monitoring quality assurance	A. Jarvis		
• Remote monitoring for energy-related pollutants and effects techniques development	D. McNelis		
• Energy-related water pollutant monitoring techniques development	D. Ballinger		
• Energy-related air pollutant measurements and instrumentation development	A. O'Keefe		
• Energy-related low-level trace contaminant identification, measurement, and analysis of solid waste and effluent water	W. Donaldson		
• Water monitoring field instrumentation development	P. Greeson (USGS)		G. Davis (USGS)
• Energy-related surface and groundwater studies/eastern region	F. Kilpatrick (USGS)		
• Develop energy-related air measurement and analytical methods	G. Goldstein (DOE)		J.L. Liverman (DOE)
• Develop aqueous effluent analytical methods for energy-related sources			
• Energy-related remote sensing instrumentation development	J.P. Mugler, Jr. (NASA)		R. Greenwood (NASA)
• Energy-related air and water pollutant analysis method development	C. Gravett (NBS)		H. Sorrows (NBS)
• Energy-related air and water pollutant standard reference materials			
• Radiological pollutant standard reference materials			
• Develop instrumentation and devices for the measurement of hazardous agents in the occupational environment associated with energy use	W. Wagner (NIOSH)		J.D. Millar (NIOSH)

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
CHARACTERIZATION, MEASUREMENT, AND MONITORING (Continued)			
• Isolate and identify waterborne pollutants associated with the power industry (steam electric power generation)	C.W. Holley (TVA)	G. D'Alessio	H. Moore, Jr. (TVA)
• Develop and evaluate an integrated approach to the optimization of nuclear power plant radiological surveillance programs	E.A. Belvin (TVA)		
• Remote sensing of SO_2 effects on vegetation	H.C. Jones III (TVA)		S. Reznek (EPA)
• Design a service assessment sampling system	A.B. Craig/ J. Dorsey		
• Develop particulate measurement technique for process evaluation			
• Inorganic sampling and analysis of process streams			
• Develop process measurements for POM and other organic compounds			
• Develop high pressure, high temperature sampling			
• Develop fugitive emission measurement techniques			
• Lidar techniques for measuring particulate pollutants from energy production and transport and dispersion processes	V. Derr (NOAA)		W.N. Hess (NOAA)
• Standardization and intercalibration techniques for marine monitoring	M.A. Basileo (NOAA)		
• Ocean oil spill concentrating and trajectory forecast	C.S. Barrientos (NOAA)		

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
ENVIRONMENTAL TRANSPORT PROCESSES			
• Fate of specific pollutants in freshwater	(Deputy Director, ERL, Athens)	C. Hall	S. Reznek (EPA)
• Transport and fate of energy-related pollutants in groundwater	W. Galegar		
• Determine transformation pathways, physical and chemical perturbation and toxicity of crude oil to freshwater organisms in Arctic lakes	R. Gordon		
• Determine mechanisms of transformation, degradation, fate, and effect of crude oil in stream ecosystems			
• Determine transport pathways, transfer rates, and fate of pollutants and degradation products of crude oil in soil and active layer of permafrost terrain	F.B. Lotspeich		
• Extension of multilayer, two-dimensional (horizontal) model of circulation to accept a heated discharge as a pollutant	R. Callaway		
• Subacute effects of petroleum processing discharges on marine organisms of West Coast	D.J. Baumgartner		
• Determine the dynamics of dispersion and dissipation in marine and estuarine waters and the effects on marine and estuarine organisms, and long-term ecosystem impacts of waste heat and biocides derived from coastal and offshore power plants	W.P. Davis		
• Develop ecosystem models of fate and effects of thermal and biocide discharges ranging from simple planktonic assemblages to controlled field studies			
• Chemical, physical, and meteorological studies of energy-related pollutants in the atmosphere	P. Altshuller	G. D'Alessio	
• Evaluate models for predicting radiological impact of gaseous releases from nuclear power plants	E.A. Belvin (TVA)		H. Moore, Jr. (TVA)
• Determine atmospheric transport and transformation of emissions from coal-fired power plants	H.C. Jones III (TVA)		
• Environmental studies on coal cleaning processes	R.J. Ruane (TVA) R.M. Cole (TVA)	J.D. Kilgroe	
• Develop simulation models of thermal dispersion and fluid mechanics at critical locations in streams and reservoirs	W.R. Waldrop (TVA)	C. Hall	
• Strip mine drainage water quality with emphasis on toxic substances			
• Elemental cycling in the Mohave Desert	C. Strojan (DOE)		J. Liverman (DOE)
• Determine the transportation and fate of fuel wastes through soil at solid waste sites	R.L. Watters (DOE)		
• Oil spill persistance in tundra and impacts in subsurface Arctic ecosystem	H. McCammon (DOE)		
• Determine organic pollutant load and dynamics of resulting refinery wastes into marine waters			
• Determine the load and dynamics of oil refinery wastes in Lake Michigan			
• Evaluate the effects of cooling towers on weather modification	D. Hamilton, Jr. (DOE)		
• Transport, transformation, fate, and effects of toxic metals, petroleum hydrocarbons in selected marine ecosystems	D.A. Wolfe (NOAA)		W.N. Hess (NOAA)

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
HEALTH EFFECTS			
• Water exposures and effects: heavy metals and toxic organic chemicals	W. Grube	G. Rausa	S. Reznek (EPA)
• Multiroute exposures and effects	J. Stara		
• Epidemiological studies of human exposure to pollutants emitted in ambient air as a result of coal conversion and utilization	C. Haynes		
• Assess human exposure-effects relationships	J. Knelson		
• Develop and apply cytological, biochemical, and physiological indicators of biodamage resulting from exposure to pollutants associated with energy development	M. Waters		
• Studies of carcinogenesis of pollutants from energy sources	D.L. Coffin		
• Inhalation toxicology studies of energy related pollutants	D. Gardner		
• Identify the most potent carcinogens, mutagens, teratogens, and physiologically detrimental agents in process streams, products and by-products, and effluents from major fossil fuel extraction and conversion technologies	G. Stapleton (DOE)		J. Liverman (DOE)
• Develop cytological and biochemical indicators to estimate toxicity from oil and coal extraction, conversion, and utilization	G. Duda (DOE)		
• Determine effects and organ distribution of hazardous trace metals and polycyclic hydrocarbons associated with coal and oil shale extraction, conversion, and utilization	M. Schulman (DOE)		
• Assess the hazards of trace and heavy metals and organic agents of nonnuclear energy technologies using chromosome aberration, isozyme patterns and teratogenic effects on mammalian embryos as indicators	M.L. Minthorn (DOE)		
• Identify damage to cells and cell components resulting from pollutants from nonnuclear energy technologies	L. Hart (NIEHS)		D.P. Rall (NIEHS)
• Assess the metabolism, fate, and toxicology of particulates and organic compounds associated with nonnuclear energy technologies	R. Dixon (NIEHS)		
• Dose effect relationship for physical effects of toxic agents in nonnuclear energy technologies	D. Hoel (NIEHS)		
• Mechanisms of incorporation, metabolism, deposition, and turnover of toxic agents associated with energy related hazardous materials	H. Malling (NIEHS)		
• Develop and test models and concepts for extrapolation of cellular and animal data to man, using toxic agents from energy technologies	B. Osheroff (NIOSH)		J.D. Millar (NIOSH)
• Determine dose effects relationships for mutagenic agents associated with nonnuclear energy technologies			
• Develop physiological indicators of damage from toxic agents			
• Occupational health effects research associated with energy technologies			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
ECOLOGICAL EFFECTS			
• Develop models for comparison of pollutant impact on population dynamics of fishes	E. Schneider	C. Hall	S. Reznek (EPA)
• Determine toxicological effects of pollutants from petroleum extraction and fossil-fueled refineries and power plants on marine and estuarine organisms and ecosystems			
• Determine thermal and thermal-metal synergistic effects on marine organisms			
• Determine dose-response relations of pollutants on selected western arid and grassland species from coal and oil shale processes	N. Glass		
• Determine the effects of heat and vapor discharge from cooling systems on local weather	M. Schirazi		
• Determine the nature, loading, distribution, and long-term effects of crude oil in the Gulf of Alaska marine and estuarine ecosystem	R. Gordon		
• Resource specific biological studies for comprehensive profile of possible energy development effects on major freshwater environments	T. Thoem		
• Develop ambient sampling procedure at geothermal sites: identification, quantification of air pollutants, water discharges, and noise levels			
• Assess environmental impacts resulting from energy resource development			
• Assess the impacts of expansion of the uranium industry	T. Duke		
• Determine toxicity to marine organisms of petrochemicals and energy-related organic solvents from offshore activities and ocean dumping			
• Determine effects of aqueous effluents from in situ fuel processing technologies on aquatic systems	K. Biesinger R. Kerr (DOE)		
• Determine effects of heated water on aquatic life in experimental channels	T. Ripley (TVA)		
• Assess overall environmental impact from coal-fired power plant			
• Determine toxic effects on aquabiota from coal and oil shale development			
• National coordination of ecological damage assessment programs for spills of oil and hazardous materials in marine and freshwaters	P. Lefcourt		
• Biological monitoring of mollusks as sentinal organisms for pollutants in coastal waters of U.S.	F.G. Lowman		
• Coastal ecosystems characterization	A.W. Palmisano		
• Assess quality of water in strip-mined areas as it relates to habitat for aquatic organisms and wildlife species associated with these water bodies	H. Brown (USDA)		R.E. Dils (USDA)
• Assess the redepositioning and stabilizing of mine spoils and identify technologies that will enhance water quality for associated aquatic life			
• Assess effects of mining-related transportation systems in water, air, soil, plant, animal, and aesthetic resources			
• Develop operational technical information system for reclamation of lands affected by mining			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
ECOLOGICAL EFFECTS (Continued)			
• Develop reclamation plan before mining operation begins	R. Follett (USDA)	C. Hall	C. Carlson (USDA)
• Determine effect of strip mining and reclamation processes on the quality and quantity of water leaving the area			
• Determine effect of strip-mine reclamation practices on the nutritional quality of forages or other crops grown on reclaimed area			
• Evaluate species and seed sources for revegetation of energy resource extraction areas with native plants			
• Determine soil characteristics developing on spoils of varying ages relating to root growth and biological productivity			
• Environmental effects of energy development			
– Water relations and root development	W.I. Thomas (USDA)		E.V. Miller (USDA/CR)
– Hydrologic management in strip mining	S.B. Aldrich (USDA) D. Kirkham W. Nelson C. Johannsen		
– Resource inventory systems			
– Remote sensing applications			
– Ground truth for remote sensing			
– Acid-forming minerals	C.O. Little (USDA) L. Hossner R. Hay		
– Forest site preparation			
– Soil genesis and biota	J.A. Asleson (USDA) D. Dolhopf L. Wiesener C. Reid W. Hall R. Hodder J. Jacobs G. Nielson R. Lang		
– Germination and seed development			
– Tree-mycorrhizal associations			
– Precipitation management			
– Salt translocation			
– Impacts of development			
– Minesoils, powder river basin			
– Effects of air pollution on plants			
• Summarize results of research on the physiological, toxicological, and ecological effects of oil, primarily on ducks	L. Stickel (USFWS)		A. Hirsch (USFWS)
• Describe guidelines and methodology for the development, synthesis, analysis, and interpretation of complex information relative to major coastal ecosystems	H. Tait (USFWS)		
• Prepare reports on three coastal regions subject to energy development; emphasis on value of resources subject to human-induced environmental alternatives	R. Stewart, Jr. (USFWS)		
• Identify and demonstrate a rapid and reliable method of inventorying and characterizing wildlife habitat; emphasis on requirements for food, cover, breeding	C.P. Goodyear (USFWS)		
• Develop methods for estimating impacts of power plants on fish and shellfish	R. Hayden (USFWS)		
• Develop in-stream flow methodologies to determine flow requirements for biological/fisheries stability in areas affected by increased energy development-both east and west			
• Develop mechanism to identify and monitor the activities of endangered species in areas under stress from energy development			
• Determine water quantity requirements of fish and wildlife in the upper Colorado and upper Missouri river basins			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
ECOLOGICAL EFFECTS (Continued)			
• Effects of entrainment in cooling systems on fish eggs and larvae	G. Saunders (DOE)	C. Hall	J. Liverman (DOE)
• Impact of condenser passage on plankton	H. McCammon (DOE)		
• Effects of oil spills on tundra and thaw ponds	R.A. Lewis (DOE)		
• Effects of construction and operations of Alaska pipeline on aquatic habitats	L.G. Hart (NIEHS)		D. Rall (NIEHS)
• Long-term effects of hydrocarbons on selected ecosystems and associated organisms	H.C. Jones III (TVA)		H. Moore, Jr., (TVA)
• Surveys on oil extraction and transport and related effects on coastal ecosystems	B.G. Isom (TVA)		
• Effects of trace metals on crop and forest ecosystems	T.G. Zarger (TVA)		
• Intake of metals by marine organisms	H.S. Harris (NOAA)		W.N. Hess (NOAA)
• Compare pharmacokinetics and toxicity in mammals of metals consumed in diet through shellfish *Vs* Drinking of H_2O	E.F. Klima (NOAA)		
• Synergistic action of temperature with other pollutants on marine species	K. Hughes (NOAA)	G. D'Alessio	
• Relationship between toxic fractions of crude oil and petroleum products and tumor formation in marine species	G.T. McNice (NOAA)	E. Preston	
• Relationships of atmospheric pollutants (SO_x + NO_x) from coal-fired power plants on terrestrial ecosystems			
• Thermal effects from mechanical draft cooling towers on vegetable and soil			
• Develop baseline information and identification, characterization and quantification of transfer, and fate and effects of coal-fired power plant emissions in terrestrial ecosystems			
• Fate and effects of atmospheric emissions from cooling systems on terrestrial habitats			
• Thermal impacts on freshwater shellfish, insects, and other biota			
• Production of anthropod pests and vectors in strip-mine pools			
• Ecological recovery after reclamation of toxic spoils left by coal surface mining			
• Conduct environmental assessment of northern Puget Sound and Strait of Juan De Fuca			
• Perform a comparison/analysis of an existing marine ecosystem under stress of an active oil field with a similar ecosystem in an undisturbed area			
• Design, establish, operate, evaluate, and refine a data management system for interagency energy-related marine and meteorological programs			
• Integrated aerosol characterization monitoring, Colstrip, Montana			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
INTEGRATED ASSESSMENT			
• Develop and coordinate effective internal and external information transfer for the interagency program	M. Schaefer	R. Laska	S. Reznek (EPA)
• EPA Decision Series – Key issues and findings of the Interagency Program	R. Laska		
• Provide information support for Montana State officals, using appropriate federal, state, and local information sources	A. Lafohn		
• Technology assessment of western energy resource development	I. White	S. Plotkin	
• Integrated technology assessment of energy development in the Appalachian region	V. Jelen		
• Integrated technology assessment of electric utility energy systems	P. Cukor	L. Smith	
• Ohio River Basin Energy Study	J. Stukel/ B. Keenan		
– Water supply and energy development effects on water quality, land use, public health			
– Coal industry and labor force structure and impacts of energy development			
– Projection of population size and demographic characteristics (1977-2000)			
– Government regulations and public participation in energy development			
– Demand for energy, capital availability			
• Regional scale transport and transformation of sulfur pollutants in the atmosphere	L. Smith		
• Cost/benefit analysis of LWR fuel reprocessing	K. Durke		
• Develop cost models of control technology for particulates and fine particulates	R. Ball	R. Ball	
• New source performance standard development support activities	R. Hansen	S. Reznek	
• Methodology development for the technology assessment modeling project	V. Davis (USDA)	W. Bloch	L. P. Schertz (USDA)
• Integrated assessment of petroleum transportation	R. Newton (DOE)		J. Liverman (DOE)
• Integrated technology assessment of coal-based energy development	H. Hinote (TVA)		H. Moore, Jr. (TVA)
• Assess the social and economic consequences of coal and oil shale development	D. H. Walters (TVA)		
• Develop a cost/risk/benefit methodology for western energy development	H. R. Hickey (TVA)		
• Coordinate a national design for an environment/energy R&D information inventory.			
• Develop energy/environment economic projection models for multicounty areas			
• Electric power system operation and expansion of environmental residual output model			
• Develop applications of computer graphics for regional integrated assessment of power systems			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
ENERGY RESOURCE EXTRACTION			
• Oil and Gas Production			
– Control and clean up oil spills, including limiting extent of contamination and mitigating adverse environmental effects	I. Wilder/ J. S. Dorrier	D. Graham	S. Reznek (EPA)
– Protect and restore shorelines due to oil contamination			
– Evaluate effectiveness of 1973 oil spill prevention regulation (40 CFR, Part 112) in reducing the number of spill incidents			
– Minimize adverse environmental impacts from the installation and operation of oil and gas production facilities (onshore and offshore)			
– Cost-effective methods for treating bilge and ballast water at shore reception facilities			
• Solid fossil fuels			
– Control enviornmental damages from active and abandoned western U.S. coal surface and underground mines and surface disturbances associated with them	R. Hill/ E. Harris	D. O'Bryan	
– Control environmental damages from oil shale and tar sands extraction disposal of spent waste from beneficiation			
– Control environmental damages (except radiation) from active and abandoned uranium extraction and beneficiation operations			
– Control environmental damages from the transportation of solid fuels			
• Reduce adverse environmental effects from uranium mill wastes	R. Kennedy (DOE)		J. Liverman (DOE)
• Eastern coal surface mining: vegetative methods and materials	H. Brown (USDA)		R. E. Dils (USDA)
• Western coal and oil shale mining: vegetative methods and materials	R. MacLauchlin (USDA)		W. Johnson (USDA)
• Surface manipulations for enhanced coal and oil shale mine vegetation	R. F. Follett (USDA)		C. Carlson (USDA)
• Mineland reclamation			
– Reclamation use of containerized seedings	W. I. Thomas (USDA) R. Hutnik	R. Hill	E. V. Miller (USDA/CR)
– Classifying minesoils	R. Smith		
– Waste application in revegetation	R. Keefer		
– Weathering of overburdens	S. R. Aldrich (USDA) C. Roth		
– Use of sewage sludge and topsoil	F. Haghiri		
– Reclamation of surface-mined land	I. Jansen		
– Overburden criteria for plant growth	W. Byrnes		
– Plant establishment techniques	P. Carpenter		
– Geologic criteria in revegetation	C. O. Little (USDA) C. Barnhisel		
– Rehabilitation of oil shale and coal lands	J. S. Asleson (USDA) C. McKell		
– Legumes in revegetation	W. Campbell		
– Amendments for sodic and coaly spoils	W. Gould		

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
PHYSICAL/CHEMICAL COAL CLEANING			
• Perform environmental assessment of coal transportation, storage, and cleaning technologies	R. Hangebrauck J. Kilgroe E. Wewerka (DOE) A. Deurbrouck (DOE) R. J. Ruane (TVA)/ R. M. Cole (TVA)	W. McCarthy J. D. Kilgroe	S. Reznek (EPA) J. Liverman (DOE) H. Moore, Jr. (TVA)
• Investigate, test, evaluate, and develop coal cleaning technology and process controls			
• Characterize potentially harmful or valuable trace elements in coal cleaning wastes			
• Develop a coal washing test facility			
• Demonstrate disposal and reuse processes for coal cleaning wastes			
• Report on results of tests of cleanability of northern Appalachian coals			
• Environmental studies on coal cleaning processes			
FLUE GAS CLEANING			
• Develop and demonstrate nonregenerable flue gas desulfurization technology	E. Plyler M. Maxwell H. Jones R. Stern J. Abbott J. Jones R. Hangebrauck A. F. Little (TVA) G. G. McGlamery (TVA) G. A. Hollinden (TVA) R. F. Robards (TVA) T. M. Kelso (TVA) H. L. Faucett (TVA) J. L. Crowe (TVA) R. F. Robards (TVA) J. I. Bucy (TVA)	R. Statnick G. Rey R. Statnick K. Jakobson	S. Reznek (EPA) H. Moore, Jr. (TVA)
• Develop techniques for disposal or use of waste pollutants from combustion sources and associated control processes			
• Develop and demonstrate several processes for regenerable flue gas desulfurization			
• Enhance the means of flue gas desulfurization technology transfer			
• Environmental impact assessment of NO_x flue gas treatment technology			
• Assess state-of-the-art and develop technology for NO_x flue gas treatment			
• Develop control technology for removing fine particulates from waste gases			
• Develop processes for disposal of flue gas cleaning wastes			
• Environmental assessment applications testing of combustion modification technology for stationary sources			
• Develop flue gas desulfurization technology—Shawnee lime/limestone scrubbing program			
• Energy requirement conservation study of selected processes for removing SO_2 from power plant stack gasses			
• Develop comparative economics of SO_2 emission control processes			
• Lime/limestone advanced SO_2 removal concepts—TVA's 1-MW pilot plant			
• Develop flue gas treatment technology for control of combustion generated pollutants—pilot plant studies of NO_x and SO_2/NO_x			
• Develop comparative economics of NO_x FGT emission control processes			
• Process sludges from lime/limestone wet scrubbing processes for disposal or recycle and studying disposal of FBC waste products			
• Evaluate marketing by-products from flue gas desulfurization processes			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
CONVENTIONAL COMBUSTION			
• Multimedia pollutant assessment for conventional combustion systems	E. Plyler/ W. Ponder	D. Berg	S. Reznek (EPA)
• Environmental assessment for NO_x: Applications testing and emissions characterization of combustion modifications for utility, industrial boilers, residential systems, and industrial process combustors	R. Hall		
• Characterization of emissions from conventional combustion systems	W. Ponder		
• Environmental assessment of residual oil processing	R. Venezia		
• Environmental assessment of wastewater effluents	S. Rakes		
• Characterization of effluents from coal fired utility boilers	J. Jones		
• Fly ash characterization and disposal	H. B. Flora II (TVA)		H. Moore, Jr. (TVA)
	S. S. Ray (TVA)		
DIRECT COMBUSTION			
• Environmental assessment and systems analysis of combustion modification for stationary sources	R. Hangebrauck	R. Statnick	S. Reznek (EPA)
• Long-term performance and corrosion testing of combustion modifications for coal-fired utility boilers	J. Bowen		
• Develop combustion controls for stationary reciprocating I.C. engines and gas turbines	D. Lachapelle		
• Development and application of improved burner designs and advanced processes for NO_x emissions control	J. Wasser/ W. S. Lanier		
• Develop combustion modification technology for industrial and commercial boilers and residential systems	B. Martin		
• Environmental assessment and control technology study of industrial process combustors and afterburners	B. Martin/ R. Hall		
• Fundamental combustion research for pollution control	J. Wasser		
• Develop control technology for pollutants and processes with fluidized bed combustion	W. S. Lanier		
• Cost comparison of commercial pressurized and atmospheric fluidized bed power plants to conventional coal-fired power plants with flue gas desulfurization.	W. Steen	M. Altschuler	J. Liverman (DOE)
	J. P. Reese (TVA)	B. Henschel	H. Moore, Jr. (TVA)
SYNTHETIC FUELS			
• Environmental assessment of potential pollutants from fossil fuel conversion	R. Hangebrauck	M. Altschuler	S. Reznek (EPA)
• Develop multimedia pollution control technology for synthetic fuel processes	K. Janes		
• Environmental assessment of potential pollutants from advanced oil processing of petroleum residuals	S. Rakes		
• Develop multimedia pollution control technology for oil processes	T. Powers	W. McCarthy	
• Identify potential pollutants and develop control technology for oil shale processes		M. Altschuler	
• Identify potential pollutants and develop control technology for noncoal synthetic fuel processes	D. Drehmel		
• Develop technology for high temperature/pressure particulate control for advanced energy systems			
• Environmental assessment of potential pollutants from fossil fuel conversion	M. Gottleib (DOE)		J. Liverman (DOE)
• Develop multimedia pollution control technology for synthetic fuel processes			

PROJECT	PROJECT CONTACT	EPA COORDINATOR	AGENCY COORDINATOR
NUCLEAR WASTE			
• Long-term implications of radioactive waste management	J. Swift (ORP)	G. Rey/ R. J. Augustine (ORP)	S. Reznek (EPA)
• Evaluation of potential and limitations of ocean disposal as a radioactive waste management alternative	R. Dyer (ORP)		
• Assessment of environmental impact of shallow land burial of low level radioactive waste	L. Meyer (ORP)		
THERMAL WASTE CONTROL			
• Advanced waste heat control	H. B. Flora II (TVA)	K. Jakobson	H. Moore, Jr. (TVA)
• Waste heat utilization	B. J. Bond (TVA)		
• Evaluation of performance and economics of advanced cooling technology	E. Plyler		S. Reznek (EPA
• Utilization of waste heat and water from utility and industrial plants	M. Maxwell		
IMPROVED EFFICIENCY			
• Environmental assessment of advanced energy conversion systems	W. Cain		
• Indoor air quality assessment and control of pollutants		G. D'Alessio	
• Environmental assessment of energy conserving processes and technologies	R. Mournighan	D. Graham	
• Development of environmentally-sound energy-conserving process technologies and pollution control methods	C. C. Lee		
• Environmental aspects of industrial waste energy utilization			
• Characterize multimedia pollutants resulting from using wastes as fuel	H. Freeman		
• Identify and characterize industrial waste streams	G. Huffman		
• Evaluate major processes for co-firing waste with coal or other wastes	R. Olexsey		
• Develop processes for co-firing wastes with oil			
• Assess and develop air pollution control technology for waste-as-fuel processes			
• Evaluate processes for thermochemical conversion of wastes	W. Liberick		
• Assist in developing criteria for pollutants resulting from wastes-as-fuel processes	R. Stenburg		
• Perform waste stream surveys for nonindustrial waste sources			
• Assess existing processes for the separation of recoverable materials from solid waste			
• Assess existing processes for preparing refuse-derived fuels and feedstocks			
• Assess the co-incineration of sewage sludge with waste			
• Evaluate major bioconversion waste-to-energy processes			
ADVANCED SYSTEMS			
• Geothermal environmental impact assessment: surface and groundwater monitoring for contaminants	D. Gilmore	G. D'Alessio	
• Geothermal energy resources control technology assessment	R. Hartley	D. Berg	
• Environmental assessment of solar energy application	C. C. Lee		

OTHER SOURCES OF ENERGY/ENVIRONMENT R&D INFORMATION

This directory of additional information sources represents only some of the many agencies and organizations involved in energy/environment R&D. Those listed here are directly related to concerns addressed by the Interagency Program. This list will be updated and, most likely, expanded for the next issue of Who's Who in the Interagency Energy/Environment R&D Program.

WHITE HOUSE OFFICES

- Council on Environmental Quality: Energy Programs — Dr. James MacKenzie; Gerald L. Brubaker; John Davidson
- Office of Management and Budget
  - Review of Federal energy/environment research budgets — Jim J. Tozzi; Hugh Loweth
  - Management and Government Reorganization — William W. Harsch

SENATE COMMITTEES

- Energy and Natural Resources — Senator Henry M. Jackson, Chairman — Grenville Garside, Staff Director and Counsel; Richard D. Grundy, Senior Professional Staff Member - Energy
  - Subcommittee on Energy Production and Supply — Senator Floyd K. Haskell, Chairman — Thomas Laughlin, Professional Staff Member
  - Subcommittee on Energy Conservation and Regulation — Senator J. Bennett Johnston, Chairman — Dr. Benjamin Cooper, Professional Staff Member
  - Subcommittee on Energy Research and Development — Senator Frank Church, Chairman — Dr. Willis Smith, Staff Director
- Environment and Public Works — Senator Jennings Randolph, Chairman — John W. Yago, Jr., Staff Director
  - Subcommittee on Environmental Pollution — Senator Edmund Muskie, Chairman — Dr. Karl Braithwaite, Staff Director
  - Subcommittee on Resource Protection — Senator John C. Culver, Chairman — Dr. George Jakobson, Professional Staff Member
- Finance
  - Subcommittee on Energy and Foundations — Senator Mike Gravel, Chairman — Deming Cowles, Legislative Assistant
- Foreign Relations
  - Subcommittee on Arms Control, Oceans, and International Environment — Senator Claiborne Pell, Chairman — Robert Foust, Legislative Aide - Energy
- Government Affairs
  - Subcommittee on Energy, Nuclear Proliferation, and Federal Services — Senator John Glenn, Chairman — Dr. Leonard Weiss, Staff Director

HOUSE COMMITTEES

- Government Operations
  - Subcommittee on Environment, Energy, and Natural Resources
    Congressman Leo J. Ryan, Chairman — David Schuenke, Counsel
- Interior and Insular Affairs
  - Subcommittee on Energy and the Environment
    Congressman Morris K. Udall, Chairman — Carla Kish, Staff Consultant
- Interstate and Foreign Commerce
  - Subcommittee on Energy and Power
    Congressman John D. Dingell, Chairman — Frank Potter, Jr., Staff Director and Counsel
  - Subcommittee on Health and the Environment
    Congressman Paul G. Rogers, Chairman — Stephen J. Connolly, Senior Staff Associate; Robert W. Maher, Director of Research and Planning
- Merchant Marine and Fisheries
  - Subcommittee on Fisheries and Wildlife Conservation and the Environment
    Congressman Robert L. Leggett, Chairman — Ned Everett, Counsel
- Committee on Science and Technology
  Congressman Olin E. Teague, Chairman — Dr. John V. Dugan, Energy Coordinator, Minority Staff
  - Subcommittee on Advanced Energy Technologies and Energy Conservation, Development, and Demonstration
    Congressman Mike McCormack, Chairman — Dr. John Andelin, Science Consultant and Staff Director
  - Subcommittee on Fossil and Nuclear Energy Research Development and Demonstration
    Congressman Walter Flowers, Chairman — Robert Ketchum, Counsel and Staff Director
  - Subcommittee on Environment and the Atmosphere
    Congressman George E. Brown, Jr., Chairman — James W. Spensley, Counsel; Dr. Lynda L. Brothers, Counsel
- Small Business
  - Subcommittee on Energy, Environment Safety and Research
    Congressman Alvin Baldus, Chairman — David P. Metzger, Counsel

JOINT COMMITTEES

- Environmental Study Conference
  Congressman Richard L. Ottinger, Chairman — Mike McCabe, Staff Director
- Congressional Budget Office
  Natural Resources and Commerce Division — Dr. Raymond Scheppach, Assistant Director

DEPARTMENT OF DEFENSE

Energy/environment research, development, and demonstration for DOD related areas and concerns.

• Energy Programs and Policy	
– Deputy Assistant Secretary of Defense (Energy, Environment and Safety)	George Marienthal
– Director, Energy Program	William J. Sharkey, Jr.
– Technology Application	Walter C. Christensen
– Petroleum	William J. Horton
– Information and Program Management	William F. Vance
– Conservation	COL John E. Wagner
• Energy Research and Development	
– Deputy Under Secretary of Defense (R&E)	Dr. Ruth M. Davis
– Asst Director for Engineering Technology	G. R. Makepeace
• Army–Special Assistant for Energy	Eric A. Orsini
• Navy–Special Assistant for Energy	Dr. Peter Waterman
• Air Force–Director of Maintenance, Engineering and Supply	BGEN Waymond C. Nutt
• Defense Fuel Supply Center Director, Office of Planning and Management	CAPT Charles E. Cuson
• Environmental Program and Policy	
– Deputy Assistant Secretary of Defense, (Energy, Environment and Safety)	George Marienthal
– Director, Environmental Policy	COL C. D. Sadler
– Air and Water Program	LCDR David A. Rein
– Solid Waste Management and Resources Recovery	Dr. Donald J. Robinson
– Pesticides, Toxic and Hazardous	George W. Siebert
• Environment Research and Development	
– Deputy Under Secretary of Defense (R&E)	Dr. Ruth M. Davis
– Director, Environment and Life Sciences	CAPT F. H. Austin, Jr.
– Environment and Life Science Programs	Thomas Dashiells
• Army–Deputy for Environmental Affairs	Bruce Hildebrand
–Asst Director, Environmental Programs (Corps of Engineers)	LTC John R. Hill, Jr.
• Navy–Principal Deputy Assistant Secretary (Logistics)	Everett Pyatt
• Air Force Deputy for Environment and Safety	Dr. Carlos Stern
• Defense Logistics Agency	
– Director, Installations and Services	COL John F. Brewer
– Special Assistant for Environmental Quality	Joseph W. Urbanek

RESEARCH INFORMATION SYSTEMS

- U.S. Department of Energy:
  Inventory of Federal energy-related environment and safety research — Ted Albert
- Interagency Program:
  Environmental Research and Development Information System (ERDIS) — Richard M. Laska
- Smithsonian Science Information Exchange:
  Project level energy information on Federally funded R&D — Samuel Liebman
- Technology Transfer Program:
  Environmental Protection Agency Project-level technical reports — Robert E. Crowe
- Office of Energy Information Services:
  General inquiries on energy issues, provides answers or refers to appropriate Department of Energy Office — Robert E. Coughlan
- U.S. Department of Agriculture, Office of Energy:
  Liaison for energy concerns; program and policy coordination — Weldon Garton
- National Oceanic and Aeronautic Administration
  - National Environmental Satellite Service — Jerry C. Clover
  - Environmental Data Services — Dr. Thomas S. Austin
- Library of Congress
  - Energy bibliography service — Constance Carter
  - Nuclear proliferation bibliography service — Dr. Warren H. Donnelly
- Oak Ridge National Laboratories Inventory of Energy R&D:
  Project information and bibliography service — Dr. Gloria M. Caton

PUBLICATIONS SERVICES

- Environmental Protection Agency/Office of Research and Development:
  Technical information publications — Linda K. Smith
- Conservation Directory:
  Listing more than 11,000 organizations and individuals concerned with environmental/conservation issues — Jeannette Bryant
- National Technical Information Service:
  Clearing-house for Government funded reports
  - General energy — Edward Lehmann
  - Solid waste — Mona Smith
  - Energy — Audrey Hundemann
  - Air — Diane Cavagnaro
  - Water pollution — Robena Brown

QUALITY ASSURANCE

- National Bureau of Standards:
  Analytical chemistry standard reference methods for organic and inorganic pollutants, particulates, and gases — Dr. Phillip LaFleur
- National Bureau of Standards:
  Radioactivity standards and measurement methods applied in natural environmental matrices — Dr. James Leiss
- National Bureau of Standards:
  Atmospheric pollution measurements, reaction chemistry (smog/aerosol formation) and climatological effects — Dr. Jimmie Hodgeson
- National Bureau of Standards:
  Trace analysis for identification of pollutants in water; development of standard reference materials for instrument calibration of water pollution measurements; characterization of flow properties for sample collection — Dr. Bruce Morrissey

ENERGY EFFICIENCY	
• Department of Commerce: Energy-conserving pollution standards for manufacturing and electric generating industries	Robert Grant
• Department of Transportation (DOT): Bicycling as an energy-saving form of transportation	Martin Convisser
• DOT/National Highway Traffic Safety Administration	
– National Energy Efficient Driving System: Train and inform drivers to conserve fuel	John Eberhard
– Voluntary truck and bus fuel economy improvement program	W. Harry Close
– Research and analysis of automotive fuel economy	Samuel F. Powel, III
– Automotive fuel economy standards development	Dr. Richard Strombotne
– Periodic Motor Vehicle Inspection Program: Impact of currently used vehicles on the environment	Joseph P. Grillo
• National Aeronautics and Space Administration: Application of space experience to energy-related problems on earth	
– Advanced aerodynamics and active controls systems development for energy-efficient transport	Dr. Raymond E. Rose
– Aircraft propulsion: Development of technologies for more efficient engines	Frederick P. Povinelli
– Development of composite structures for weight savings to fuel economy	Dr. Leonard A. Harris
OIL SPILLS	
• U.S. Coast Guard, Environmental Technology Branch: Containment and cleanup of oil spills	CDR Ted Leigh
• U.S. Coast Guard, Chemistry Branch: Oil fingerprinting—analyzing oil samples to determine source and composition	Dr. G. Klienberg
• U.S. Coast Guard, Planning and Special Projects: Research on oil spill prevention technologies and techniques	CAPT William Markle
• U.S. Coast Guard: Oil spill statistics	Dr. Charles C. Bates
• U.S. Coast Guard, Marine Environmental Protection Division: Federal response to oil spills	CAPT John R. Kirkland
HEALTH AND URBAN ENVIRONMENT	
• U.S. Department of Housing and Urban Development	
– Lead exposure in the urban environment	Irwin Billick
– Noise, air pollution, and general environmental quality in the urban environment	George Winser
– Housing and community-development-related problems in environmental and energy areas	George Karas
• Environmental Protection Agency: Health and ecological effects research	Dr. Delbert S. Barth
• National Institute of Occupational Safety and Health: Occupational safety and health questions related to energy production and use	Edward J. Baier
• Electric Power Research Institute	
– Assess impacts of electrical supply systems on health and environment	Dr. Cyril Comar
– Health effects of fossil fuel power plants	Dr. James McCarroll
• U.S. Department of Health, Education and Welfare: Bioassays of petrochemicals and fuels for potential carcinogenicity	Dr. Gregory T. O'Conor
ALTERNATIVE ENERGY SOURCES	
• National Aeronautics and Space Administration:	
– Wind power storage	H. Kurt Strauss
– Storage of thermal, electro-chemical and mechanical energy	Dr. R. Wadewsky
– Photo-voltaics	John Loria
– Solar and thermal electricity	Robert Wasel
• Department of Energy: Conservation and solar applications	Donald Beattie

REGIONAL PROGRAMS

• Information and research on all phases of energy for sixteen western states	John L. Watson
• Information on and coordination of all energy/power projects in western area	Robert L. McPhail
• Old West Regional Commission: Environmental and socioeconomic impact on communities involved in coal development	George D. McCarthy
• Four Corners Regional Commission: Water conservation, environmental impact, alternative energy sources, and socioeconomic impacts	Norris Ellertson
• Economic development programs and funding of projects related to energy conservation and environmental protection	
– Upper Great Lakes Regional Commission	William R. Bechtel
– Ozarks Regional Commission	John Scott
– Southwest Border Regional Commission	Robert G. Toberman
– Pacific Northwest Regional Commission	Dennis J. Hubscher
– Appalachian Regional Commission	Hugh B. Montgomery
• New England Regional Commission: Energy policy analysis, regional energy data base, financial support to regional energy offices; outer continental shelf pipeline corridors, alternative/renewable energy resources	W. Robert Keating
• Coastal Plains Regional Commission: Evaluation and analysis of water resources for the coastal plans region, and exchange of information on treatment and disposal for regional economic development	Dr. Claud Anderson

INTERNATIONAL PROGRAMS

• United National Environment Program: Liaison for inquiries and information	Dr. Noel J. Brown
• Organization for Economic Cooperation and Development	Dr. Milton Klein
• U.S. Department of State, Office of Environmental Affairs: Liaison for international and domestic energy/environment R&D	Donald R. King
• U.S. Department of State, Office of Oceans and International Environmental Scientific Affairs	Ambassador Robert C. Brewster

INDUSTRIAL PLANNING AND REGULATION

• U.S. Department of Commerce	
– Industrial regulatory analysis	Dr. Edwin B. Shykind
– Advise the Secretary of Commerce on energy matters	Orcutt P. Drury
• Federal Energy Regulatory Commission	
– Environmental studies for natural gas and oil pipeline certification; program review for rates	Barry Haase
– Approve R&D expenditures for regulated companies	Dr. Haskell Wald
– Licensing hydro-electric plants	Dr. William Lindsay
• Electric Power Research Institute	
– Air quality control for fossil fuel power plants	Donald Teixeira
– Water quality control and heat rejection for fossil fuel power plants	John S. Maultbetsch
– Identification, characterization, monitoring; transport and interactions; alternative land and water use; advanced technologies for fossil fueled power plants	Dr. Ralph Perhac
– Ecological effects of fossil fuel power plants	Dr. Harry Kornberg
– Develop and demonstrate environmentally-sound, cost-effective technologies for fossil fuel power plants	Kurt Yeager
• U.S. Department of Interior	
– Mining regulatory functions and energy/environmental research	Nancy J. Deller
– Review and prepare Environmental Impact Statements	Leonard Shaw

PROGRAM PLANNING AND DEVELOPMENT

• Environmental Protection Agency: Energy processes research	Frank Princiotta
• Department of Commerce, National Oceanic and Aeronautic Administration	
– Ocean energy, natural gas conservation and usage forecasting, and nuclear waste management	Dr. Richard Lehman
– National weather modification monitoring and program monitoring of weather modification for NOAA	Dr. Ronald L. Lavoie
• Department of Energy	
– Energy Technology	Robert D. Thorne
– Energy Research	John M. Deutch
– Resource Applications	George S. McIsaac
• National Science Foundation	
– Problem focused energy/environment research applications	Dr. Charles C. Thiel
– Ecology, ecosystem studies, and systematics	Dr. John Brooks
• U.S. Department of Interior, Fish and Wildlife Service: Land and water resource development planning	John Crowder
• National Bureau of Standards: Reduced energy waste for energy use and conversion efficiency improvement	Dr. Jack E. Snell
• U.S. Department of Agriculture: Conservation of energy; renewable or noncritical energy sources use; physical and socioeconomic consequences of alternatives for energy production availability and use	Dr. Keith R. Shea
• U.S. Department of Justice: Legal actions relating to control and abatement of pollution sources, and wetlands preservation	Angus Macbeth
• U.S. Department of Transportation, Federal Aviation Administration: Stratospheric and low atmospheric pollution problems	Anthony J. Broderick
• National Aeronautics and Space Administration: Application of space-environment characteristics to energy-related problems on earth	R. D. "Duff" Ginter

INTERAGENCY PROGRAM DIRECTORY AND INDEX

The following laboratory abbreviations are used in this directory:

DOE –	DBER	– Division of Biological and Environmental Research
	ECT	– Environmental Control Technology
	LERC	– Laramie Energy Research Center
DOT –		Department of Transportation
	FAA	– Federal Aviation Administration
	NHTSA	– National Highway Traffic Safety Administration
EPA –	EMSL	– Environmental Monitoring and Support Laboratory
	ERIC	– Environmental Research Information Center
	ERL	– Environmental Research Laboratory
	ESRL	– Environmental Sciences Research Laboratory
	HERL	– Health Effects Research Laboratory
	IERL	– Industrial Environmental Research Laboratory
	MERL	– Municipal Environmental Research Laboratory
	OALWU	– Office of Air Land and Water Use
EPA –	OEMI	– Office of Energy, Minerals and Industry
	OHEE	– Office of Health and Ecological Effects
	OMTS	– Office of Monitoring and Technical Support
	ORP	– Office of Radiation Programs
	ORPM	– Office of Research Program Management
	OTI	– Office of Technical Information
NASA –	ERL	– Earth Resources Laboratory
NOAA –	ERL	– Environmental Research Laboratories
	NWS	– National Weather Service
	TDL	– Techniques Development Laboratory
	TEL	– Test and Evaluation Laboratory
	WPL	– Wave Propagation Laboratory
TVA –	OACD	– Office of Agricultural and Chemical Development

NAME (pages)

ABBOTT, JAMES H. (11)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2925

ALBERT, TED (17)
DOE
Div of Environmental Impacts
E-201
Washington, DC 20545
202-345-3311

ALDRICH, S.R. (7,10)
Assistant Director
Agricultural Experiment Station
University of Illinois
Urbana, IL 61801
217-333-1604

ALTSCHULER, MORRIS (12)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-755-0205

ALTSHULLER, DR. A. PAUL (4)
EPA/ESRL
Research Triangle Park, NC 27711
919-541-2191

ANDELIN, JOHN (15)
Science Consultant and Staff Director
Subcommittee on Advanced Energy
Tech and Energy Conservation RD&D
B374 Rayburn House Office Bldg
Washington, DC 20515
202-225-9117

ANDERSON, DR. CLAUD (19)
Federal Cochairman
DOC/Coastal Plans
Regional Commission
1725 K Street, NW
Suite 413
Washington, DC 20006
202-634-3910

ASLESON, J.A. (7,10)
Director
Agricultural Experiment Station
University of Montana
Bozeman, MT 59717
406-994-3681

AUGUSTINE, DR. ROBERTSON J. (13)
EPA/ORP
401 M St, SW
Washington, DC 20460
703-557-9710

AUSTIN, CAPT F.H., JR. (16)
Director
Environment & Life Sciences
US Navy, ODDR&E
3D129, Pentagon
Washington, DC 20301
202-695-9604

AUSTIN, DR. THOMAS A. (17)
NOAA
6010 Executive Blvd
Rockville, MD 20852
301-443-8721

BAIER, EDWARD J. (18)
Deputy Director
National Institute of Occupational
Safety and Health
5600 Fishers Lane
Rockville, MD 20857
301-443-1530

BALL, DR. RICHARD H. (9)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-755-0647

BALLINGER, DWIGHT G. (2)
EPA/EMSL
26 W. St Clair St
Cincinnati, OH 45268
513-684-7301

BARNHISEL, RICHARD I. (10)
Assoc Professor
Department of Agronomy
Kentucky Agricultural Experiment
Station
University of Kentucky
Lexington, KY 40506
606-258-2631

BARRIENTOS, DR. CELSO S. (3)
NOAA/NWS/TDL
W427
Silver Spring, MD 20910
301-427-7613

NAME (pages)

BARTH, DR. DELBERT S. (18)
Deputy Assistant Administrator
for Health and Ecological Effects
EPA/ORD
401 M Street, SW, RD 683
Washington, DC 20460
202-755-0820

BASILEO, MICHAEL A. (3)
NOAA/TEL
6001 Executive Blvd
Rockville, MD 20852
301-426-9080

BATES, DR. CHARLES C. (18)
US Coast Guard
400 7th St, SW
Washington, DC 20590
202-426-1037

BAUMGARTNER, D. (4)
EPA/ERL
Marine & Freshwater Ecology Br.
200 SW 35th St
Corvallis, OR 97330
503-757-4721

BEATTIE, DONALD (18)
Acting Assistant Secretary
Conservation and Solar Applications
Department of Energy
20 Massachusetts Ave, NW
Washington, DC 20245
202-376-4934

BECHTEL, WILLIAM R. (19)
Federal Cochairman
Upper Great Lakes
Regional Commission
Rm 2093, Commerce Bldg
14th and E Streets, NW
Washington, DC 20230
202-377-2845

BELVIN, E.A. (3,4)
TVA
River Oaks Bldg
Muscle Shoals, AL 35660
205-383-4631

BERG, DAVID (12,13)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-755-2737

BIESINGER, DR. KENNETH E. (6)
EPA/ERL
6201 Congdon Blvd
Duluth, MN 55804
218-727-6692, Ext 524

BILLICK, IRWIN (18)
HUD
Environmental Research Office
of Policy Development Research
451 7th St, SW, Rm 8214
Washington, DC 20410
202-755-5423

BLOCH, WAYNE (9)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-755-0646

BOND, DR. BILLY JOE (13)
TVA
Off. of Agri and Chem Development
Muscle Shoals, AL 35660
205-383-4631, Ext 419

BOWEN, DR. JOSHUA S. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2470

BRAITHWAITE, DR. KARL (14)
Staff Director
Subcommittee on Environmental
Pollution
4204 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-7861

BRETTHAUER, ERICH (2)
EPA/EMSL
P.O. Box 15027
Las Vegas, NV 89114
702-736-2969, Ext 385

BREWER, COL JOHN F., JR. (16)
US Army
Director, Installations & Services
Defense Logistics Agency
4D410 Cameron Station
Alexandria, VA 22314
703-274-6355

BREWSTER, AMBASSADOR ROBERT C. (19)
Acting Assistant Secretary of State
Oceans and International
Environmental Affairs
Department of State
Washington, DC 20520
202-632-2396

BRODERICK, ANTHONY J. (20)
Chief
High Altitude Pollution
Problems Staff
DOT/FAA
FOB 10A
800 Independence Ave, SW
Washington, DC 20591
202-755-8933

BROMBERG, STEVEN M. (2)
EPA/EMSL
Research Triangle Park, NC 27711
919-541-2573

BROOKS, DR. JOHN (20)
Deputy Division Director
Ecosystem Studies
National Science Foundation
Washington, DC 20550
202-632-7318

BROTHERS, DR. LYNDA L. (15)
Counsel
Subcommittee on the
Environment/Atmosphere
House Science & Technology
Committee
2319 Rayburn House Office Bldg
Washington, DC 20515
202-225-2452

BROWN, H.E. (6,10)
USDA
Forest Environment Research
Washington, DC 20251
703-235-1071

BROWN, NOEL J. (19)
United Nations
U.N. Environment Program
New York, NY 10017
212-754-8139

BROWN, ROBENA (17)
Information Analysis Branch
NTIS
Springfield, VA 22161
703-557-4640

BRUBAKER, GERALD L. (14)
Council on Environmental Quality
722 Jackson Pl, NW, Rm 5013
Washington, DC 20006
202-633-7097

BRYANT, JEANNETTE (17)
Editor, Conservation Directory
National Wildlife Federation
1412 16th Street NW
Washington, DC 20036
202-790-4318

BUCY, JOHN I. (11)
TVA
Off. of Agri and Chem Development
Muscle Shoals, AL 35660
205-383-4631, Ext 516

BYRNES, WILLIAM R. (10)
Department of Forestry and
Natural Resources
Purdue University
Agricultural Experiment Station
West Lafayette, IN 47907
317-749-2261

CAIN, W.C. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4335

CALABRESE, MICHAEL (2)
NASA, Headquarters
ERL-2
Washington, DC 20546
202-755-8623

CALLAWAY, R. (4)
EPA/ERL
200 SW 35th St
Corvallis, OR 97330
503-757-4703

CAMPBELL, DR. WILLIAM F. (10)
Plant Science Department
Utah State University
Logan, UT 84322
801-752-4100

CARLSON, C.W. (6,10)
USDA
Agricultural Research Service
Washington, DC 20251
202-447-7157

NAME (pages)

CARPENTER, P.L. (10)
Associate Professor
Department of Horticulture
Purdue University
West Lafayette, IN 47907
317-749-2261

CARTER, CONSTANCE (17)
Library of Congress
Science & Technology
Washington, DC 20540
202-426-5582

CATON, DR. GLORIA M. (17)
Oak Ridge National Laboratory
Bldg 3603
Oak Ridge, TN 37830
615-483-8611

CAVAGNARO, DIANE (17)
Information Analysis Branch
NTIS
Springfield, VA 22161
703-557-4640

CHRISTENSEN, WALTER C. (16)
Assistant for Technical
Application of Energy
OASD(MRA&L)EES
1 D760, Pentagon
Washington, DC 20301
202-697-9419

CLOSE, W. HARRY (18)
Acting Director
Heavy Duty Vehicle Research
DOT/NHTSA
NRD-20
2100 2nd Street, SW
Washington, DC 20590
202-426-4553

CLOVER, JERRY C. (17)
NOAA
6010 Executive Blvd
Rockville, MD 20852
301-443-8721

COFFIN, DAVID L., V.M.D. (5)
EPA/HERL
Research Triangle Park, NC 27711
919-541-2586

COLE, R. M. (4,11)
TVA
470 Commerce Union Bank Bldg
Chattanooga, TN 37401
615-755-3571

COMAR, DR. CYRIL (18)
Electric Power Research Institute
Environ. Assessment Dept Director
3412 Hillview Ave
P.O. Box 10412
Palo Alto, CA 94303
415-855-2572

CONNOLLY, STEPHEN J. (15)
Sr Staff Associate
Subcommittee on Health
& the Environment
2424 Rayburn House Office Bldg
Washington, DC 20515
202-225-5995

CONVISSER, MARTIN (18)
Director
Office of Environment and Safety
Policy & International Affairs
Office of the Secretary
DOT
P-20
400 7th Street, SW
Washington, DC 20590
202-426-4357

COOPER, DR. BENJAMIN (14)
Professional Staff Member
Subcommittee on Energy
Conservation, and Regulation
3106 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-9894

COUGHLAN, ROBERT E. (17)
DOE
National Energy Information Center
1200 Pennsylvania Ave, NW
Washington, DC 20461
202-566-9230

COWLES, DEMING (14)
Legislative Assistant
Subcommittee on Energy & Foundations
3121 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-6665

CRAIG, A.B. (3)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2509

CROWDER, JOHN (20)
Staff Specialist
Division of Ecological Services
Fish and Wildlife Service
US Dept of the Interior
Washington, DC 20240
202-376-8121

CROWE, JAMES L. (11)
TVA
Office of Power
1320 Commerce Union Bank Bldg
Chattanooga, TN 37401
615-755-3381

CROWE, ROBERT E. (17)
EPA
ERIC
26 W. St. Clair St
Cincinnati, OH 45268
513-684-7391

CUKOR, DR. PETER M. (9)
Teknekron, Inc.
2118 Milvia St
Berkeley, CA 94704
415-548-4100

CUSON, CHARLES E. (16)
Director
Office of Planning & Management
US Navy
Defense Fuel Supply Center
8A216, Cameron Station
Alexandria, VA 22314
202-274-7423

D'ALESSIO, DR. GREG J. (2,3,
EPA/ORD/OEMI 4,8,13)
401 M St. SW
Washington, DC 20460
202-426-4568

DASHIELLS, THOMAS R. (16)
Environment and Life Sciences
ODDR&E
3D129, The Pentagon
Washington, DC 20301
202-697-8714

DAVIDSON, JOHN (14)
Staff Member for Energy
President's Council on Env. Quality
Executive Off. of the President
722 Jackson Place
Washington, DC 20006
202-633-7097

DAVIS, GEORGE H. (2)
USGS
407 National Center
Reston, VA 22092
703-860-6846

DAVIS, DR. RUTH M. (16)
Deputy Under Secretary of Defense
Research & Engineering
Research & Advanced Technology
3E114, Pentagon
Washington, DC 20301
202-965-5036

DAVIS, V.W. (9)
USDA/ESCS
Natural Resource Econ. Div
Rm 412
500 12th St, SW
Washington, DC 20250
202-447-8750

DAVIS, WILLIAM P. (4)
EPA/ERL
Bears Bluff Field Station
Box 368
Johns Island, SC 29455
803-559-0371

DELLER, NANCY J. (19)
Special Assistant/Environment to
the Assistant Secretary for Energy
and Minerals
US Department of the Interior
RM 6650
18th and C Streets, NW
Washington, DC 20240
202-343-5781

DERR, DR. VERNON E. (3)
NOAA/ERL/WPL
R 45 x 3
Boulder, CO 80302
303-499-1000

DEURBROUCK, ALBERT W. (11)
DOE
Off. of Coal Preparation and Analysis
4800 Forbes Avenue
Pittsburgh, PA 15213
412-892-2400

NAME (pages)

DEUTCH, JOHN M. (20)
Director
Office of Energy Research
Department of Energy
20 Massachusetts Ave, NW, RM 8125
Washington, DC 20545
202-456-6764

DILS, R.E. (6,10)
USDA
Forest Environment Research
Washington, DC 20251
703-235-1071

DIXON, DR. ROBERT L. (5)
NIEHS
Lab of Environmental Toxicology
Research Triangle Park, NC 27709
919-541-3333

DOLLHOPF, DOUGLAS J. (7)
Department of Animal
and Range Sciences
Montana State University
Bozeman, MT 59715
406-994-3721

DONALDSON, WILLIAM T. (2)
EPA/ERL
College Station Road
Athens, GA 30605
404-546-3183

DONNELLY, DR. WARREN H. (17)
Library of Congress
Washington, DC 20540
202-426-5582

DORRLER, J. STEPHEN (10)
EPA/IERL (Cincinnati)
Edison, NJ 08817
201-321-6629

DORSEY, JAMES (3)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2557

DREHMEL, DENNIS (13)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2925

DRURY, ORCUTT P. (19)
Office of the Assistant
Secretary for Policy
Rm 3011
US Department of Commerce
Washington, DC 20230
202-377-4568

DUDA, G.D. (5)
DOE/DBER
Washington, DC 20545
301-353-3651

DUGAN, DR. JOHN V. (15)
Energy Coordination
Minority Staff
U.S. House of Representatives
Committee on Science and Tech
2321 Rayburn House Office Bldg
Washington, DC 20515
202-225-9117

DUKE, DR. THOMAS (6)
EPA/ERL
Sabine Island
Gulf Breeze, FL 32561
904-932-5311

DURKE, KENNETH (9)
EPA
Air Quality Planning & Stds
Research Triangle Park, NC 27711
919-541-5301

DYER, ROBERT S. (13)
EPA/ORP
401 M St, SW
Washington, DC 20460
703-557-8977

EBERHARD, JOHN (18)
Project Director, National
Energy Efficient Driving System
DOT/NHTSA
2100 2nd Street, SW
Washington, DC 20590
202-426-4892

ELLERTSON, NORRIS (19)
Coordinator for Field Activities
Four Corners Regional Commission
Federal Cochairman's Office
230 First Avenue, N.
Phoenix, AZ 85025
602-261-3361

EVERETT, NED (15)
Counsel
Subcommittee on Fisheries and
Wildlife Conservation and the
Environment
3574 House Office Bldg, Annex #2
Washington, DC 20515
202-225-7307

FAUCETT, H.L. (11)
TVA
OACD-WHB
Muscle Shoals, AL 35660
205-383-4631, Ext 516

FLORA, DR. HOLLIS B. II (12,13)
TVA
Off. of Power
470 Commerce Union Bank Bldg
Chattanooga, TN 37401
615-755-3251

FOLLETT, DR. R.F. (7,10)
USDA/SER/FR/NPS
Rm 233/Bldg 005
Beltsville, MD 20705
301-344-3216

FOUST, ROBERT (14)
Legislative Aid-Energy
Subcommittee on Arms Control,
Oceans, and International
Environment
325 Russell Senate Office Bldg
Washington DC 20510
202-224-4642

FREEMAN, HARRY M. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4363

GALEGAR, WILLIAM C. (4)
EPA
Robert S. Kerr ERL
P.O. Box 1198
Ada, OK 74820
405-332-8800

GARDNER, DONALD E. (5)
EPA/HERL
Research Triangle Park, NC 27711
919-541-2531

GARSIDE, GRENVILLE (14)
Staff Director and Counsel
Energy and Natural Resources
3106 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-4971

GARTON, WELDON (17)
Director, Office of Energy
US Dept of Agriculture
Office of the Secretary
Rm 226E
Washington, DC 20250
202-447-2455

GILMORE, DONALD B. (13)
EPA/EMSL
P.O. Box 15027
Las Vegas, NV 89114
702-736-2969, Ext 241

GINTER, R.D. "DUFF" (20)
Asst Assoc Administrator for Energy
NASA
Office of Energy Programs
Washington, DC 20546
202-755-3127

GLASS, DR. NORMAN (6)
EPA/ERL
200 SW 35th St
Corvallis, OR 97330
503-757-4671

GOLDSTEIN, DR. GERALD (2)
DOE/DBER
Rm E218
20 Massachusetts Ave
Washington, DC 20545
301-353-3213

GOODYEAR, C. PHILLIP (7)
USFWS
National Power Plant Team
1451 Green Rd
Ann Arbor, MI 48105
313-994-3331, Ext 234

GORDON, R. (4,6)
EPA
Arctic Environmental Research Lab
College, AK 99701
907-479-7728

GOTTLEIB, DR. MYRON (12)
DOE/ECT
20 Massachusetts Ave, NW
Washington, DC 20545
301-353-5587

NAME (pages)

GOULD, WALTER L. (10)
Associate Professor
Department of Agronomy
New Mexico State University
Las Cruces, NM 88003
505-646-3405

GRAHAM, DAVID J. (10,13)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-755-9014

GRANT, ROBERT (18)
US Department of Commerce
Energy Efficiency
Washington, DC
202-377-2496

GRAVETT, DR. CAREY (2)
NBS
Office of Environmental Measurements
Gaithersburg, MD 20760
301-921-3775

GREENWOOD, LAWRENCE R. (2)
NASA
Earth Observation Program
Washington, DC 20036
202-755-8620

GREESON, PHILLIP E. (2)
USGS
412 National Center
Reston, VA 22092
703-860-6834

GRILLO, JOSEPH P. (18)
Chief, State Programs Div
DOT/NHTSA
400 7th Street, SW
Washington, DC 20590
202-426-8298

GRUBE, WALTER (5)
EPA/HERL
26 W. St. Clair St
Cincinnati, OH 45268
513-684-7407

GRUNDY, RICHARD D. (14)
Senior Professional Staff Member,
Energy
Energy & Natural Resources
3208 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-9894

HAASE, BARRY (19)
Director
Office of Pipeline and
Producer Regulations
Fed. Energy Regulatory Commission
Rm 7000
825 N. Capital Street
Washington, DC 20426
202-275-4473

HAGHIRI, FAZ (10)
Ohio Agri R&D Center
Wooster, OH 44691
216-264-1021

HALL, CLINTON W. (4,6,7,8)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-426-4567

HALL, ROBERT E. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2477

HALL, WARREN A. (7)
Colorado State University
Fort Collins, CO 80523
303-491-5048

HAMILTON, DR. D.H., JR. (4)
DOE/DBER
Washington, DC 20545
301-353-5324

HANGEBRAUCK, ROBERT (11,12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2825

HANSEN, ROGER P. (9)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2815

HARRIS, EUGENE F. (10)
EPA/IERL
Cincinnati, OH 45268
513-684-4417

HARRIS, DR. HOWARD S. (8)
NOAA/ERL
7600 Sand Point Way, NE
Seattle, WA 98115
206-442-5590

HARRIS, DR. LEONARD A. (18)
Chief, Structure Branch
NASA
RJS-9
Washington, DC 20546
202-755-2403

HARSCH, WILLIAM W. (14)
Deputy Associate Director
Executive Office of
Management and Budget
Rm 3235
New EOB
Washington, DC 20503
202-395-3000

HART, LARRY G. (5,8)
NIEHS
Office of the Scientific Director
Research Triangle Park, NC 27709
919-541-3205

HARTLEY, ROBERT P. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4335

HAY, DR. R.L. (7)
Associate Professor
Agricultural Experiment Station
University of Tennessee
P.O. Box 1071
Knoxville, TN 37901
615-974-7126

HAYDEN, ROBERT P. (7)
USDOI/FWS
2800 Cottage Way, Rm 264
Sacramento, CA 95825
916-484-4516

HAYNES, CAROL (5)
EPA/HERL
Cincinnati, OH 45268
513-684-7406

HENSCHEL, D. BRUCE (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2825

HESS, WILMOT N. (2,3,4,8)
NOAA/ERL
.J10 Executive Blvd
Rockville, MD 20852
301-443-8202

HICKEY, DR. HARRISON R., JR. (9)
TVA
Div of Env. Planning
401 Chestnut St, Rm 264
Chattanooga, TN 37401
615-755-3155

HILDEBRAND, BRUCE (16)
Deputy for Environmental
Affairs
Civil Works
OASA
2E569, Pentagon
Washington, DC 20301
202-695-1370

HILL, LTC. JOHN R. (16)
Assistant Director
for Environmental Programs
US Army Corps of Engineers
DAEN-CWZ-P
4G065 Forrestal Bldg
Washington, DC 20314
202-693-7092

HILL, RONALD D. (10)
EPA/IERL
5555 Ridge Ave
Cincinnati, OH 45268
513-684-4410

HINOTE, HUBERT (9)
TVA
Div of Navigation Dev. & Region Studies
270 K Liberty Bldg
415 Walnut St
Knoxville, TN 37902
615-632-4860

NAME (pages)

HIRSCH, DR. ALLAN (7)
USFWS
Office of Bio Services
Washington, DC 20240
202-634-4900

HODDER, R.L. (7)
Program Leader
Reclamation Research Unit
Animal & Range Sciences Dept
Montana Agricultural
Experiment Station
Montana State University
Bozeman, MO 59715
406-994-3721

HODGESON, DR. JIMMIE (17)
Air Program Manager
NBS/Office of Environmental
Measurements
Chem A345
Washington, DC 20234
301-921-3775

HOEL, DR. DAVID G. (5)
NIEHS
Environmental Biometry Branch
Research Triangle Park, NC 27709
919-541-3441

HOLLEY, C. WAYNE (3)
TVA
401 Chestnut St, Rm 150
Chattanooga, TN 37401
615-755-3135

HOLLINDEN, G.A. (11)
TVA
Office of Power
470 Commerce Union Bank Bldg
Chattanooga, TN 37401
615-755-3581

HORTON, WILLIAM, JR. (16)
Assistant for Petroleum
OASD (MRA&L) EES
ID760 Pentagon
Washington, DC 20301
202-697-5396

HOSSNER, DR. L.R. (7)
Professor
Soil Chemistry
Soil and Crop Sciences Dept
Texas A&M University
College Station, TX 77843
713-845-3041

HUBSCHER, DENNIS J. (19)
Regional Program Coordinator
Pacific Northwest Regional Commission
444 N. Capitol Street, NW
Suite 122
Washington, DC 20001
202-633-7458

HUDSON, HUGH H. (2)
USGS
Water Resources Division
Denver Federal Center
Box 25046-Stop 406
Lakewood, CO 80225
303-234-4118

HUFFMAN, GEORGE L. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4478

HUGHES, KENT H. (8)
NOAA
Environmental Data Service
3300 Whitehaven
Washington, DC 20235
202-634-7393

HUNDEMANN, AUDREY (17)
Information Analysis Branch
NTIS
Springfield, VA 22161
703-557-4640

HUTNIK, RUSSELL J. (10)
Professor of Plant Physiology
School of Forest Resources
Pennsylvania State University
University Park, PA 16802
814-865-7541

ISOM, BILLY G. (8)
TVA
E&D Bldg
Muscle Shoals, AL 35660
205-383-4631, Ext 727

JACOBS, JAMES L. (7)
Associate Professor
Division of Agricultural Economics
University of Wyoming
Laramie, WY 82071
307-766-2386

JAKOBSON, DR. GEORGE (14)
Professional Staff Member
Subcommittee on Resource Protection
4204 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-7851

JAKOBSON, KURT (11,13)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-755-0205

JANES, KELLY (12)
EPA/IERL
ERC Bldg
Research Triangle Park, NC 27711
919-541-2851

JANSEN, I.J. (10)
IL Agricultural Experiment Station
Urbana, IL 61801
217-333-0240

JARVIS, ARTHUR (2)
EPA/EMSL
P.O. Box 15027
Las Vegas, NV 89114
702-736-2969, Ext 381

JELEN, V. (9)
EPA/IERL
Ridge Ave Bldg, Rm 227
Cincinnati, OH 45268
513-684-4338

JOHANNSEN, DR. C.J. (7)
Department of Agronomy
University of Missouri
215 University Hall
Columbia, MO 65201
314-882-2801

JOHNSON, WILLIAM M. (10)
USDA
Soil Conservation Service
P.O. Box 2890
Washington DC 20013
202-447-3905

JONES, DR. HERBERT C., III (3,4,
TVA 8,11)
E&D Bldg
Muscle Shoals, AL 35660
205-383-4631, Ext 342

JONES, JULIAN (11,12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2915

KARAS, GEORGE (18)
Director, Environmental Review Div
HUD, Rm 7266
Washington, DC 20410
202-755-8909

KEATING, W. ROBERT (19)
Energy Programs Director
New England Regional Commission
53 State Street
Boston, MA 02109
617-223-6330

KEEFER, DR. R.F. (10)
Associate Professor
Division of Plant Sciences
West Virginia University
Morgantown, WV 26506
304-293-4817

KEENAN, DR. BOYD (9)
ORBES
271 Boyd Avenue
Elmhurst, IL 60126
312-833-7610

KELSO, THOMAS M. (11)
TVA
OACD-WHB
Muscle Shoals, AL 35660
205-383-4631, Ext 516

KENNEDY, R.H. (10)
DOE/ECT
Washington, DC 20545
301-353-5643

KERR, ROBERT (6)
DOE/LERC
University Station
P.O. Box 3395
Laramie, WY 82071
307-721-2011, Ext 2204

NAME (pages)

KETCHUM, ROBERT (15)
Counsel and Staff Director
Subcommittee on Fossil and
Nuclear Energy RD&D
B374 Rayburn House Office Bldg
Washington, DC 20515
202-225-9117

KILGROE, JAMES D. (4,11)
EPA/IERL
ERC Bldg
Research Triangle Park, NC 27711
919-541-2851

KILPATRICK, FREDERICK A. (2)
USGS
National Center
Reston, VA 22092
703-860-6848

KING, DONALD R. (19)
Acting Deputy Assistant Secretary
State Department
Office of Environmental Affairs
2201 C St
Washington, DC 20520
202-632-9278

KIRKHAM, DON (7)
Professor of Agronomy
Iowa State University
Ames, IA 50011
515-294-4264

KIRKLAND, CAPT JOHN R. (18)
Chief
Marine Environmental
Protection Division
US Coast Guard
G-WEP/73
Washington, DC 20590
202-426-2010

KISH, CARLA (15)
Staff Consultant
Subcommittee on Energy
and the Environment
1327 Longworth House Office Bldg
Washington, DC 20515
202-225-8331

KLEIN, DR. MILTON (19)
Organization for Economic
Cooperation and Development
Chateau de la Muette
2 Rue Andre-Pascal 75775
Paris Cedex 16, France
524-8200

KLIENBERG, DR. G. (18)
Chief of Chemistry Branch
US Coast Guard R&D Center
Avery Point
Groton, CT 06340
203-445-8501

KLIMA, DR. EDWARD F. (8)
NOAA
National Marine Fisheries Service
Southeast Fisheries Center
Galveston Laboratory
4700 Avenue U
Galveston, TX 77550
713-763-1211

KNELSON, DR. JOHN H. (5)
Director, HERL (EPA)
Research Triangle Park, NC 27711
919-541-2281

KORNBERG, DR. HARRY (19)
Ecological Effects Program Mgr
Electric Power Research Institute
1750 New York Ave, NW, Ste. 835
Washington, DC 20006
202-872-9222

LACHAPELLE, DAVID G. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2236

LAFLEUR, DR. PHILLIP (17)
Chief
Center for Analytical Chemistry
National Bureau of Standards
Chem A309
Washington, DC 20234
301-921-2851

LANDERS, ROBERT (2)
EPA/EMSL
P.O. Box 15027
Las Vegas, NV 89114
702-736-2969, Ext 336

LANG, ROBERT L. (7)
Professor
Division of Plant Science
University of Wyoming
Laramie, WY 82070
307-766-3103

LANIER, WILLIAM S. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2432

LASKA, RICHARD M. (9,17)
EPA/ORD/ORPM/OTI
RD-675
401 M St, SW
Washington, DC 20460
202-426-9454

LAUGHLIN, THOMAS (14)
Professional Staff Member
Subcommittee on Energy
Production and Supply
3106 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-2564

LAVOIE, DR. RONALD L. (20)
Director
Science and Academic
Affairs Office
NOAA
6010 Executive Blvd
Rockville, MD 20852
301-443-8721

LEE, DR. C.C. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4334

LEFCOURT, PAUL (6)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-426-4567

LEFOHN, DR. ALLEN (9)
EPA/ORD
Montana Energy Operations Staff
State Capitol Station
Helena, MT 59601
406-449-3940

LEHMAN, DR. RICHARD (20)
Deputy Director
Office of Ecology & Conservation
Rm 5813
NOAA
US Department of Commerce
Washington, DC 20230
202-377-5181

LEHMANN, EDWARD (17)
Acting Chief
Information Analysis Branch
NTIS
Springfield, VA 22161
703-557-4640

LEIGH, COMMANDER TED (18)
Chief of Environmental
Technology Branch
US Coast Guard
GDOE-1/TP54
Washington, DC 20590
202-426-1023

LEISS, DR. JAMES (17)
Chief,
Center for Radiation Research
National Bureau of Standards
RAD P, C235
Washington, DC 20234
301-921-2551

LEWIS, DR. ROBERT A. (8)
DOE/DBER
Washington, DC 20545
301-353-5079

LIBERICK, WALTER W. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4363

LIEBMAN, SAMUEL (17)
Smithsonian Science Info Exch
Science Division
1730 M St, NW
Washington, DC 20036
202-381-4211

LINDSAY, DR. WILLIAM (19)
Director
Office of Electric
Power Regulations
FERC
Rm 5100
825 N. Capital Street
Washington, DC 20426
202-275-4777

NAME (pages)

LITTLE, A.F. (11)
TVA
Off. of Agriculture & Chemical Dev
Muscle Shoals, AL 35660
205-383-4631, Ext 516

LITTLE, C.O. (7,10)
Associate Director
Agricultural Experiment Station
University of Kentucky
Lexington, KY 40506
606-257-2833

LIVERMAN, DR. JAMES L. (2,4,5, 8,9, 10,11,12)
Acting Asst Sec for Environment
DOE
Washington, DC 20545
301-353-5171

LORIA, JOHN (18)
Solar Energy Division
NASA
600 Independence Avenue, SE
Washington, DC 20003
202-755-2452

LOTSPEICH, F.B. (4)
EPA/ERL
200 SW 35th St
Corvallis, OR 97330
503-757-4614

LOWETH, HUGH (14)
Deputy Associate Director/ Energy & Science
Exec Off. of Management & Budget
Rm 8001
726 Jackson Place, NW
Washington, DC 20503
202-395-3404

LOWMAN, FRANK G. (6)
EPA/ERL
South Ferry Rd
Narragansett, RI 02882
401-789-1071

MACBETH, ANGUS (20)
Chief
Pollution Control Section
Department of Justice
Land and Natural Resources Div
Washington, DC 20530
202-739-2707

MACHTA, LESTER (2)
NOAA
Air Resources Lab
8060 13th St
Silver Spring, MD 20903
301-427-7645

MACKENZIE, DR. JAMES (14)
CEQ
722 Jackson Pl. NW, 5013
Washington, DC 20006
202-633-7097

MACLAUCHLIN, R. (10)
USDA
Soil Conservation Service
Washington, DC 20250
202-447-5667

MAHER, ROBERT (15)
Director
Research and Planning
Health & Environment Subcommittee
2424 Rayburn House Office Bldg
Washington, DC 20515
202-225-5995

MAKEPEACE, G.R. (16)
Assistant Director for Engineering Technology (Energy)
ODDR&E
3D1089 Pentagon
Washington, DC 20301
202-697-7922

MALLING, DR. HEINRICH V. (5)
NIEHS
Lab of Environmental Mutagenesis
P.O. Box 12233
Research Triangle Park, NC 27711
919-541-3378

MARIENTHAL, GEORGE (16)
Deputy Assistant Secretary of Defense
Energy, Environment and Safety
OASD (MRA&L)
3D823, Pentagon
Washington, DC 20301
202-695-0221

MARKLE, CAPT WILLIAM (18)
Chief of Planning and Special Projects Staff
US Coast Guard
G-MP/82
Washington, DC 20590
202-426-1483

MARTIN, G. BLAIR (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2235

MAULBETSCH, JOHN S. (19)
Program Manager
Water Quality Control & Heat Rejection
Electric Power Research Inst
1750 New York Ave, NW, Ste. 835
Washington, DC 20006
202-872-9222

MAXWELL, MICHAEL A. (11,13)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2915

McCABE, MIKE (15)
Staff Director
Environmental Study Conference
3334 House Office Bldg, Annex #2
Washington, DC 20515
202-225-2988

McCAMMON, HELEN M. (4,8)
DOE/DBER
Washington, DC 20545
301-353-5549

McCARROLL, DR. JAMES (18)
Health Effects Program Mgr
Electric Power Research Institute
1750 New York Ave, NW
Suite 835
Washington, DC 20006
202-872-9222

McCARTHY, GEORGE D. (19)
Federal Cochairman
Old West Regional Commission
1730 K Street, NW
Suite 426
Washington, DC 20006
202-634-3907

McCARTHY, WILLIAM N., JR. (11,12)
EPA/OEMI
401 M St, SW
Washington, DC 20460
202-755-2737

McGLAMERY, GERALD G. (11)
TVA
OACD
WHA
Muscle Shoals, AL 35660
205-383-4631

McISAAC, GEORGE S. (20)
Assistant Secretary
Resource Applications
Department of Energy
12th and Pennsylvania Ave, NW
Rm 3304
Washington, DC 20461
202-566-9350

McKELL, CYRUS M. (10)
Professor of Range Ecology
Department of Range Science
Utah State University
Logan, UT 84321
801-752-4100

McMILLION, LESLIE G. (2)
EPA/EMSL
P.O. Box 15027
Las Vegas, NV 89114
702-736-2969, Ext 241

McNELIS, DR. DAVID N. (2)
EPA/EMSL
P.O. Box 15027
Las Vegas, NV 89114
702-736-2969, Ext 261

McNICE, G.T. (8)
NOAA/ERL/WPL
Boulder, CO 80302
303-499-1000, Ext 6569

McPHAIL, ROBERT L. (19)
Acting Administrator
Western Area Power Administration
Department of Energy
Building 67, Rm 1220
Denver Federal Center
Denver, CO 80225
303-234-2064

METZGER, DAVID P. (15)
Counsel
Subcommittee on Energy, Environment, Safety, and Research
2361 Rayburn House Office Bldg
Washington, DC 20515
202-225-6026

NAME (pages)

MEYER, LEW (13)
EPA/ORP
Rm 1018-Crystal Mall #2
401 M St, SW
Washington, DC 20460
703-557-8977

MILLAR, DR. J. DONALD (M.D.) (2,5)
Assistant Surgeon General
Acting Director, NIOSH
5600 Fishers Lane, Rm 330
Rockville, MD 20852
301-443-1530

MILLER, DR. EILIF V. (7,10)
USDA/SEA/CR
Washington, DC 20250
202-447-4348

MINTHORN, M.L. (5)
DOE/DBER
Washington, DC 20545
301-353-3681

MONTGOMERY, HUGH B. (19)
Appalachian Regional Commission
1666 Connecticut Ave, NW
Washington, DC 20235
202-673-7861

MOORE, DR. H.G., JR. (3,4,8,9,11,
TVA Interagency 12,13)
Coordinator
401 Chestnut St, Rm 268
Chattanooga, TN 37401
615-755-3161

MORRISSEY, DR. BRUCE W. (17)
Water Program Manager
NBS/Office of Environmental
Measurements
Chem A345
Washington, DC 20234
301-921-3775

MOURNIGHAN, R.E. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4334

MUGLER, JOHN P., JR. (2)
NASA
Env. Quality Program Office
Mail Stop 442
Hampton, VA 23665
804-827-2717

NELSON, WILLIAM C. (7)
Coordinator
Agricultural Economics
North Dakota Experiment Station
North Dakota State University
Fargo, ND 58102
701-237-7441

NEWTON, RANDY (9)
DOE
Washington, DC 20545
301-353-4421

NIELSEN, DR. G.A. (7)
Professor
Soil Genesis, Morphology and
Classification
Plant and Soil Science Department
Montana State University
Bozeman, MT 59717
406-994-4601

NUTT, BGEN WAYMOND C. (17)
Director
Maintenance Engineering &
Safety (Energy)
AF/LGY
Air Force
4E278 Pentagon
Washington, DC 20301
202-695-4900

O'BRYAN, DONALD J., JR. (10)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-755-0646

O'CONOR, DR. GREGORY T. (18)
Acting Director, Division of
Cancer Cause and Prevention
HEW
National Cancer Institute
Building 31, Rm 11A03
Bethesda, MD 20014
301-496-6618

O'KEEFFE, ANDREW E. (2)
EPA/ESRL
Research Triangle Park, NC 27711
919-541-2408

OLEXSEY, ROBERT A. (13)
EPA/IERL
Cincinnati, OH 45268
513-684-4363

ORSINI, ERIC A. (16)
Special Assistant for Energy
OASA (Installations, Logistics
& Financial Management)
3E620 Pentagon
Washington, DC 20301
202-697-9030

OSHEROFF, BORIS J. (5)
Environmental Officer
NIOSH
5600 Fishers Lane, Rm 855
Rockville, MD 20852
301-443-6377

PALMISANO, DR. A. WILLIAM (6)
DOI/FWS
Office of Biological Services
Washington, DC 20240
202-634-4913

PERHAC, DR. RALPH (19)
Physical Factors Program Mgr
Electric Power Research Institute
3412 Hill View Ave
P.O. Box 10412
Palo Alto, CA 94303
415-493-4800

PLOTKIN, STEVEN (9)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-755-0646

PLYLER, E.L. (11,12,13)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2915

PONDER, WADE (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2915

POTTER, DR. FRANK, JR. (15)
Staff Director & Counsel
Subcommittee on Energy & Power
3204 House Office Bldg Annex #2
Washington, DC 20515
202-225-1030

POWEL, SAMUEL F. III (18)
Acting Chief
Technology Assessment Division
DOT/NHTSA
Office of Passenger
Vehicle Research
2100 2nd Street, SW
Washington, DC 20590
202-246-2957

POWERS, THOMAS J. (12)
EPA/IERL
Cincinnati, OH 45268
513-684-4363

PRESTON, ERIC (8)
EPA/ERL
200 SW 35th St
Corvallis, OR 97330
503-757-4636

PRINCIOTTA, FRANK T. (20)
Director, Energy Processes Div
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-755-2737

POVINELLI, FREDERICK P. (18)
Chief, Propulsion Branch
NASA
RJT-9
Washington, DC 20546
202-755-2403

PUESCHEL, DR. RUDOLF F. (2)
NOAA
Atmospheric Physics & Chemistry Lab
Boulder, CO 80302
303-499-1000, Ext 6360

PYATT, EVERETT (16)
Principal Deputy Assistant Secretary
Defense (Logistics & Environment)
OASN (MRA&L)
266 Crystal Plaza #5
2211 Jefferson Davis Highway
Arlington, VA 22202
202-692-3227

NAME (pages)

RAKES, SAMUEL L. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2825

RALL, DR. DAVID P. (5,8)
NIEHS
Box 12233
Research Triangle Park, NC 27709
919-541-3201

RAUSA, GERALD J. (5)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-426-4567

RAY, SHIRLEY S. (12)
TVA
Office of Power
1320 Commerce Union Bank Bldg
Chattanooga, TN 37401
615-755-2771

REESE, JOHN (12)
TVA
705 Edney Bldg
Chattanooga, TN 37401
615-755-2774

REID, C.P.P. (7)
Associate Professor
Colorado State University
Fort Collins, CO 80523
303-491-6637

REIN, LCDR. DAVID A. (16)
Air Quality Programs
OASD (MRA&L) EES
3D823, Pentagon
Washington, DC 20301
202-695-0221

REY, GEORGE (11,13)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-426-2683

REZNEK, DR. STEVEN R. (2,3,4, 5,6,9, 10,11,12, 13)
Actg Dpty Asst Administrator
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-755-4858

RIPLEY, DR. THOMAS H. (6)
TVA
Forrestry Bldg
Norris, TN 37828
615-494-7173, Ext 200

ROBARDS, RUSSELL F. (11)
TVA
Office of Power
1320 Commerce Union Bank Bldg
Chattanooga, TN 37401
615-755-3581

ROBINSON, DR. DONALD J. (16)
Solid Waste Management & Resource Recovery Programs
OASD (MRA&L) EES
3D823 Pentagon
Washington, DC 20301
202-695-0221

ROSE, DR RAYMOND E. (18)
Program Manager, Aerodynamics & Active Controls
NASA
RJB-9
Washington, DC 20546
202-755-2403

ROTH, DR. CHARLES B. (10)
Department of Agronomy
Purdue University
West Lafayette, IN 47907
317-749-2891

RUANE, RICHARD J. (4,11)
TVA
401 Chestnut St, Rm 248
Chattanooga, TN 37401
615-755-3167

SADLER, COL. C.D. (16)
Director, Environmental Policy
OASD (MRA&L) EES
3D823, Pentagon
Washington, DC 20301
202-695-0221

SAUNDERS, GEORGE W. (8)
DOE/DBER
Washington, DC 20545
301-353-5548

SCHAEFER, MARK (9)
EPA/OEMI
401 M Street, SW
Washington, DC 20460
202-755-2940

SCHEPPACH, RAYMOND C. (15)
Assistant Director
Congressional Budget Office
Natural Resources & Commerce Div
Rm 3540, House Annex 2
Second and D Sts, SW
Washington, DC 20515
202-225-1494

SCHERTZ, LYLE P. (9)
USDA/ESCS
500 12th St, SW, Rm 440
Washington, DC 20250
202-447-8710

SCHIRAZI, M. (6)
EPA/ERL
200 SW 35th St
Corvallis, OR 97330
503-757-4751

SCHNEIDER, DR. ERIC D. (6)
EPA/ERL
South Ferry Road
Narragansett, RI 02882
401-789-1071

SCHUENKE, DAVID (15)
Counsel
Subcommittee on Environment, Energy, and Natural Resources
B-371 Rayburn House Office Bldg
Washington, DC 20515
202-225-6427

SCHULMAN, DR. MURRAY (5)
DOE/DBER
Washington, DC 20545
301-353-3683

SCOTT, JOHN (19)
Federal Programs Officer
Ozarks Regional Commission
#20998, Commerce Bldg
14th & E Streets, NW
Washington, DC 20230
202-377-2572

SHARKEY, WILLIAM J. JR. (16)
Director for Energy
OASD (MRA&L) EES
1D760 Pentagon
Washington, DC 20301
202-697-5981

SHAW, LEONARD (19)
Acting Chief
Office of Environmental Affairs, Heritage Conservation, and Recreation Service
USDI
Washington, DC 20240
202-343-7554

SHEA, DR. KEITH R. (20)
Assistant Director for Programs
Science & Education Administration
US Department of Agriculture
14th and Independence Ave, NW
Washington, DC 20050
202-447-3684

SHYKIND, DR. EDWIN B. (19)
Acting Director
Office of Business Policy Analysis
US Department of Commerce
Rm 3112
Washington, DC
202-377-2496

SIEBERT, GEORGE W. (16)
Pesticides & Toxic Substances
OASD (MRA&L) EES
3D833, Pentagon
Washington, DC 20301
202-697-5947

NAME (pages)

SMITH, LINDA K. (17)
EPA/ORPM/OTI
RD-675
401 M St, SW
Washington, DC 20460
202-755-2046

SMITH, LOWELL (9)
EPA/ORD/OEMI
401 M St, SW
Washington, DC 20460
202-426-2683

SMITH, MONA (17)
Information Analysis Branch
NTIS
Springfield, VA 22161
703-557-4640

SMITH, DR. RICHARD M. (10)
Professor of Agronomy
Division of Plant Sciences
University of West Virginia
Morgantown, WV 26506
304-293-4817

SMITH, DR. WILLIS (14)
Staff Director
Subcommittee on Energy
Research & Development
3106 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-4431

SNELL, DR. JACK E. (20)
Director
Office of Energy Programs
National Bureau of Standards
Washington, DC 20234
301-921-3275

SORROWS, H.E. (2)
NBS
Administration Bldg A1123
Washington, DC 20234
301-921-2446

SPENSLEY, JAMES W. (15)
Counsel
Subcom. on the Env & the Atmosphere
House Science & Tech. Committee
2319 Rayburn House Office Bldg
Washington, DC 20515
202-225-2452

STAPLETON, DR. GEORGE E. (5)
DOE/DBER
Washington, DC 20545
202-353-5039

STARA, JERRY F. (5)
EPA/HERL
26 W. St. Clair St
Cincinnati, OH 45268
513-684-7406

STATNICK, ROBERT M. (11,12)
EPA/OEMI
401 M St., SW
Washington, DC 20460
202-755-2737

STEEN, WALTER B. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2825

STENBURG, ROBERT (13)
EPA/MERL
Cincinnati, OH 45268
513-684-7861

STERN, DR. CARLOS (16)
Deputy for Environment & Safety
SAF/MIQ
4C885 Pentagon
Washington, DC 20301
202-695-9297

STERN, RICHARD D. (11)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2915

STEWART, ROBERT E., JR. (7)
USFWS
Office of Bio Services
Washington, DC 20810
202-634-4908

STICKEL, LUCILLE F. (7)
USFWS
Patuxent Wildlife Research
Laurel, MD 20810
301-776-4880

STRAUSS, H. KURT (18)
Deputy Division Director
Solar Energy Division
NASA
600 Independence Avenue, SE
Rm 607, FOB 10
Washington, DC 20003
202-755-8557

STROMBOTNE, DR. RICHARD (18)
Acting Director
Automotive Fuel Economy
Stds Development
DOT/NHTSA
400 7th Street, SW
NRM-20
Washington, DC 20590
202-426-0846

STROJAN, CARL L. (4)
Lab of Nuclear Med & Radiation Bio
University of California
900 Veteran Ave
Los Angeles, CA 90024
213-825-1403

STUKEL, DR. JAMES (9)
ORBES
345 Advanced Computation Bldg
800 Wright St
Urbana, IL 61801
217-333-8861

SWIFT, JERRY (13)
EPA/ORP
AW 459
401 M St, SW
Washington, DC 20460
703-557-7604

TAIT, HOWARD (7)
USFWS
NSTL Station, MS 39529
601-688-2091

TEIXEIRA, DONALD (19)
Electric Power Research Institute
3412 Hillview Ave
P.O. Box 10412
Palo Alto, CA 94303
415-855-2572

THIEL, DR. CHARLES C. (20)
National Science Foundation
Advanced Env Research & Tech
1800 G St, NW
Washington, DC 20550
202-655-4000

THOEM, TERRY (2,6)
EPA
Region VIII
1860 Lincoln St
Denver, CO 80203
303-837-5914

THOMAS, WALTER I. (7,10)
Associate Director
Agricultural Experiment Station
Pennsylvania State University
University Park, PA 16802
814-865-5419

THOME, PITT (2)
NASA
Earth Observation Program
Washington, DC 20036
202-755-8586

THORNE, ROBERT D. (20)
Acting Assistant Secretary
Office of Energy Technology
Department of Energy
Rm 8229
Washington, DC 20545
202-376-4010

TOBERMAN, ROBERT G. (19)
Executive Director
Southwest Border Regional Commission
100 North Stone Avenue
Tucson, AZ 85726
602-792-6781

TOZZI, JIM J. (14)
Chief, Environmental
National Research Division
New Executive Office Bldg
726 Jackson Place, NW, Rm 8222
Washington, DC 20503
202-395-6827

URBANEK, JOSEPH W. (16)
Special Assistant
Environmental Quality Office
Defense Logistics Agency
Technical & Logistics Services
DLA-SME
4C499 Cameron Station
Alexandria, VA 22314
202-274-7503

NAME (pages)

VANCE, WILLIAM F. (16)
Assistant for Energy
Program Management
OASD (MRA&L) EES
1D760 Pentagon
Washington, DC 20301
202-697-2500

VENEZIA, RONALD (12)
EPA/IERL
Mail Drop 62
Research Triangle Park
Durham, NC 27711
919-541-2547

WADEWSKY, DR. R. (18)
Solar Energy Division
NASA
600 Independence Avenue, SE
Washington, DC 20003
202-755-2306

WAGNER, COL. JOHN E. (16)
Assistant for Energy Conservation
OASD (MRA&L) EES
ID760, Pentagon
Washington, DC 20301
202-697-1988

WAGNER, WILLIAM (3)
NIOSH
944 Chestnut Ridge Road
Morgantown, WV 26505
304-599-7421

WALD, HASKELL (19)
Director
Office of Regulatory Analysis
FERC
Rm 9216
825 N. Capital Street
Washington, DC 20426
202-275-4118

WALDROP, W.R. (4)
TVA
Engineering Laboratory
Norris, TN 37828
615-632-4460

WALTERS, DOUGLAS H. (9)
TVA
Div of Power Resource Planning
216 Power Bldg
Chattanooga, TN 37401
615-755-2381

WASEL, ROBERT (18)
Solar Energy Division
NASA
600 Independence Avenue, SE
Washington, DC 20003
202-755-8557

WASSER, JOHN H. (12)
EPA/IERL
Research Triangle Park, NC 27711
919-541-2476

WATERMAN, DR. PETER (16)
Special Assistant for Energy
OASN (R&D)
5E787, Pentagon
Washington, DC 20301
202-965-7022

WATERS, DR. MICHAEL D. (5)
EPA/HERL
Biochemistry Branch
Environ. Toxicology Div
Research Triangle Park, NC 27711
919-541-2518

WATSON, JOHN L. (19)
Executive Director
Western Interstate Energy Board
Western Interstate Nuclear Board
3333 Quebec Street
Suite 2500
Stapleton Plaza
Denver, CO 80207
303-837-5851

WATTERS, ROBERT L. (4)
DOE/DBER
Washington, DC 20545
301-353-5329

WEISS, DR. LEONARD (14)
Staff Director
Subcommittee on Energy, Nuclear
Proliferation and Federal Services
6206 Dirksen Senate Office Bldg
Washington, DC 20510
202-224-2627

WEWERKA, EUGENE M. (11)
DOE
Los Alamos Science Lab
Group CMB-8, MS 734
Los Alamos, NM 87545
505-667-5182

WHITE, IRVIN L. (9)
University of Oklahoma
Science & Public Policy Program
601 Elm Ave, Rm 432
Norman, OK 73019
405-325-2555

WIESNER, LOREN E. (7)
Associate Professor
Department of Agronomy
Montana State University
Bozeman, MT 59715
406-994-4601

WINSER, GEORGE (18)
Environmental Research, Office of
Policy Development and Research
HUD
451 7th Street, SW, Rm 8214
Washington, DC 20410
202-755-5423

WILDER, IRA (10)
EPA/IERL (Cincinnati)
Oil & Hazardous Spills Br
Edison, NJ 08817
201-321-6635

WOLFE, DR. DOUGLAS A. (4)
NOAA/ERL
OCS Environmental Assess. Prog
Boulder, CO 80302
303-499-1000, Ext 6531

YAGO, JOHN W. JR. (14)
Staff Director
Environment and Public Works
4204 Dirkson Senate Office Bldg
Washington, DC 20510
202-224-6176

YEAGER, KURT (19)
Fossil Fuel Plants Manager
Electric Power Research Institute
Air Quality Control Program
1750 New York Ave, NW, Ste 835
Washington, DC 20006
202-872-9222

ZARGER, T.G. (8)
TVA
Division of Forestry
Fish and Wildlife Development
Norris, TN 37828
615-494-7173, Ext 255

TEXT: PATRICIA JAN SELK, KATHLEEN DONAHUE DIXON
EDITING: ELINOR JANE VORIS